

*Amherst College*  
*Bulletin*

CATALOG ISSUE 1954-55

VOLUME 44 • NUMBER 1 • NOVEMBER, 1954





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# AMHERST COLLEGE BULLETIN



*Catalog Issue*  
*1954-1955*

VOLUME 44

NOVEMBER, 1954

NUMBER 1

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VOLUME 44

NOVEMBER 1954

NUMBER 1

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# College Calendar

1954

Sept. 22	<i>Wednesday</i> , 2:00 p.m.	Opening Chapel Service
Sept. 23	<i>Thursday</i> , 8:00 a.m.	Beginning of Classes
Oct. 23	<i>Saturday</i> (a holiday)	Wesleyan Football Game at Middletown
Nov. 13	<i>Saturday</i> (a holiday)	Williams Football Game
Nov. 24	<i>Wednesday</i> , 12:50 p.m.	Beginning of Thanksgiving Recess
Nov. 29	<i>Monday</i> , 8:00 a.m.	End of Thanksgiving Recess
Dec. 18	<i>Saturday</i> , 11:50 a.m.	Beginning of Christmas Recess

1955

Jan. 3	<i>Monday</i> , 8:00 a.m.	End of Christmas Recess
Jan. 21	<i>Friday</i>	First Semester Examination Period
	through	
Jan. 27	<i>Thursday</i>	
Jan. 31	<i>Monday</i> , 8:00 a.m.	Beginning of Second Semester
Mar. 19	<i>Saturday</i> , 11:50 a.m.	End of Classes before Spring Recess
Mar. 19	<i>Saturday</i> , 1:00 p.m.	Beginning of Fraternity Rushing
Mar. 20	<i>Sunday</i> , 12:00 noon	Beginning of Spring Recess
April 4	<i>Monday</i> , 8:00 a.m.	End of Spring Recess
May 14	<i>Saturday</i> (a holiday)	Dance Holiday
May 30	<i>Monday</i>	Second Semester Examination Period
	through	
June 4	<i>Saturday</i>	
June 12	<i>Sunday</i>	Commencement
Sept. 21	<i>Wednesday</i> , 2:00 p.m.	Opening Chapel Service
Sept. 22	<i>Thursday</i> , 8:00 a.m.	Beginning of Classes
Oct. 22	<i>Saturday</i> (a holiday)	Wesleyan Football Game
Nov. 12	<i>Saturday</i> (a holiday)	Williams Football Game
Nov. 23	<i>Wednesday</i> , 12:50 p.m.	Beginning of Thanksgiving Recess
Nov. 28	<i>Monday</i> , 8:00 a.m.	End of Thanksgiving Recess
Dec. 17	<i>Saturday</i> , 11:50 a.m.	Beginning of Christmas Recess

1956

Jan. 2	<i>Monday</i> , 8:00 a.m.	End of Christmas Recess
Jan. 20	<i>Friday</i>	First Semester Examination Period
	through	
Jan. 26	<i>Thursday</i>	
Jan. 30	<i>Monday</i> , 8:00 a.m.	Beginning of Second Semester
Mar. 24	<i>Saturday</i> , 11:50 a.m.	End of Classes before Spring Recess
Mar. 25	<i>Sunday</i> , 12:00 noon	Beginning of Spring Recess
April 9	<i>Monday</i> , 8:00 a.m.	End of Spring Recess
May 12	<i>Saturday</i> (a holiday)	Dance Holiday
May 28	<i>Monday</i>	Second Semester Examination Period
	through	
June 2	<i>Saturday</i>	
June 10	<i>Sunday</i>	Commencement

# The Corporation

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*President of the College*

PAUL DYESS WEATHERS, M.B.A. Amherst, Mass.  
*Treasurer of the Corporation*

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HENRY SELDEN KINGMAN, B.A. Minneapolis, Minn.

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RICHARDSON PRATT, B.A. New York, N. Y.

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WINTHROP HIRAM SMITH, B.A. New York, N. Y.

JOHN JAY McCLOY, LL.B., LI D. New York, N. Y.

\* WILLARD LONG THORP, LL.D. Pelham, Mass.

\* WILLS TAYLOR ENGLE St. Louis, Mo.

\* KENDALL BUSH DEBEVOISE, LL.B. Montclair, N. J.

\* LAFAYETTE SUMNER PRUYNE, B.A. Newton, Mass.

\* OLIVER BOUTWELL MERRILL, JR., LL.B. New York, N. Y.

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JAMES ALFRED GUEST, LL.B. Amherst, Mass.  
*Secretary of the Corporation*

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LEWIS WILLIAMS DOUGLAS, LL.D. Phoenix, Ariz.

FREDERICK SAYWARD FALES, B.A. New Rochelle, N. Y.

\* The terms of the Alumni Trustees expire as follows: WILLARD LONG THORP, 1955; WILLS TAYLOR ENGLE, 1956; KENDALL BUSH DEBEVOISE, 1957; LAFAYETTE SUMNER PRUYNE, 1958; OLIVER BOUTWELL MERRILL, 1959; PRESTON ROGERS BASSETT, 1960.

† A life trustee who resigns shall be eligible for election by the Board of Trustees as trustee emeritus if in the opinion of the Board of Trustees he shall have rendered outstanding service to the College during his trusteeship. A trustee emeritus shall have all the privileges of a member of the Board except that of voting at the meetings of the Board. The trustees emeriti shall retain the processional order which they held at the time of their retirement. (Adopted by the Board of Trustees of Amherst College. January 17, 1943.)

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The Chairman of the Corporation and the President of the College are members, *ex officio*, of all committees.

*Executive Committee:* MESSRS. BIXLER, DEBEVOISE, ELLS (Chairman), KINGMAN, McCLOY, PRATT, RUGG, SELIGMAN, SMITH.

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*Budget Committee:* MESSRS. KINGMAN, PLIMPTON, PRATT (Chairman), PRUYNE, SMITH, WEATHERS.

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*Folger Shakespeare Library Committee:* MESSRS. BIXLER, ENGLE, FALES †, KINSOLVING †, McCLOY, PLIMPTON, SELIGMAN (Chairman), THORP, WEATHERS.

*Joseph B. Eastman Foundation Committee:* MESSRS. DEBEVOISE, ENGLE, KINGMAN, RUGG (Chairman), SELIGMAN.

*Committee on Fraternities:* MESSRS. BASSETT, DEBEVOISE (Chairman), ENGLE, FALES †, MERRILL, PRUYNE, RUGG.

*Merrill Center for Economics Committee:* MESSRS. DOUGLAS †, ENGLE, PLIMPTON, PRATT, SELIGMAN, SMITH (Chairman), THORP, WEATHERS.

† *Trustee Emeritus.*

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JOHN CUSHING ESTY, JR., M.A. *Assistant Dean and Assistant Director of Admission*

GLADYS ALICE KIMBALL, B.S. *Recorder*

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HERBERT GALE JOHNSON, B.A. *Comptroller*

GEORGE BURNHAM MAY, B.A. *Assistant to the Comptroller*

ROBERT HERMAN HEIDRICH, A.E.E., P.E. *Superintendent of Buildings and Grounds*

GORDON BENJAMIN BRIDGES, M.A. *Director of Dining Halls and Director of Personnel*

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THAYER AINSWORTH GREENE, B.D. *Chaplain*

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ALLISON WILSON MARSH, M.ED. *Chairman of the Department of Physical Education and Intercollegiate Athletics*

ELLSWORTH ELLIOTT RICHARDSON, M.A. *Director of Freshman Physical Education and Athletics*

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OSCAR DONALD CHRISMAN, M.D. *Associate College Physician*

GORDON DAVIES ARNOLD, M.D. *Assistant College Physician*

MARY MARGARET BARKOWSKI, R.N. *Supervisor of Student Health Office*

HASKELL ROBERT COPLIN, PH.D. *Student Counselor*

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JAMES ALFRED GUEST, LL.B. *Secretary of the Alumni Council*

JOHN CUSHING ESTY, B.A. *Assistant to the Secretary of the Alumni Council*

ARTHUR DAVENPORT, B.A. *Fraternity Business Manager and Business Advisor to Student Activities*

HORACE WILSON HEWLETT, M.A. *Director of Public Relations*

PETER HERNDON WINN, B.A. *Assistant to the Director of Public Relations*

JOHN CLEMENT SCHULER, MUS.D. *Director of the Band*

† Absent on leave for the first semester.

# Faculty

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*President of the College*

CHARLES SCOTT PORTER, M.A.

*Dean of the College*

EUGENE SMITH WILSON, B.A.

*Dean of Freshmen and Director of Admission*

† THEODORE SPAULDING BACON, JR., B.A.

*Associate Dean*

JOHN CUSHING ESTY, JR., M.A. *Assistant Dean and Assistant Director of Admission*

---

*The Faculty Is Arranged Alphabetically in Rank*

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*Professor of English on the Henry C. Folger Foundation, Emeritus*

THOMAS CUSHING ESTY, LL.D. *Walker Professor of Mathematics, Emeritus*

FRANCIS HOWARD FOBES, PH.D., LL.D. *Class of 1880 Professor of Greek, Emeritus*

MICHAEL JOSEPH KENNEDY *Associate Professor of Physical Education, Emeritus*

OTTO MANTHEY-ZORN, PH.D.

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*Professor of Latin, Emeritus*

WILLIAM WARREN STIFLER, PH.D., SC.D.

*Professor of Physics, Emeritus*

CHARLES HANSEN TOLL, PH.D. *Professor of Philosophy and Psychology, Emeritus*

RALPH COPLESTONE WILLIAMS, PH.D.

*Professor of French, Emeritus*

SAMUEL ROBINSON WILLIAMS, PH.D., SC.D.

*Eliza J. Clark Folger Professor of Physics, Emeritus*

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ROBERT FROST, L.H.D., LITT.D.

*Simpson Lecturer in Literature*

DANIEL AARON, PH.D.

*Visiting Professor of English*

ARNOLD BORIS ARONS, PH.D.

*Professor of Physics*

GEOFFROY ATKINSON, PH.D.

*Professor of Romance Languages on the Eliza J. Clark Folger Foundation*

† GEORGE WILLIAM BAIN, PH.D.

*Samuel A. Hitchcock Professor of Mineralogy and Geology*

THEODORE BAIRD, PH.D.

*Samuel Williston Professor of English*

RALPH ALONZO BEEBE, PH.D.

*Massachusetts Professor of Chemistry*

ROBERT HERMANN BREUSCH, PH.D.

*Professor of Mathematics and Physics*

BAILEY LEFEVRE BROWN, M.A.

*Professor of Mathematics*

STEPHEN BROWN, M.D.

*College Physician and Parmly Billings Professor of Hygiene*

PAUL WITHERSPOON ECKLEY, M.A.

*Professor of Physical Education*

REGINALD FOSTER FRENCH, PH.D.

*Professor of Romance Languages*

GEORGE BANKS FUNNELL, M.A.

*Professor of French*

STEWART LEE GARRISON, M.A.

*Professor of English and Public Speaking*

DAVID CALDWELL GRAHAME, PH.D.

*Professor of Chemistry*

† *Absent on leave for the first semester.*

‡ *Absent on leave for the second semester.*

- WARREN KIMBALL GREEN, PH.D. *Professor of Astronomy, Director of the Observatory on the Sidney Dillon Foundation, and Faculty Marshal*  
 MALCOLM McMILLAN HEBER, B.A. *Professor of Air Science, Lt. Col., USAF*  
 VERNON PARKER HELMING, PH.D. *Visiting Professor of English*  
 ROGER WELLINGTON HOLMES, PH.D. *Visiting Professor of Cryptography*  
 GAIL KENNEDY, PH.D. *Professor of Philosophy on the Henry C. Folger Foundation*  
 GEORGE WALLACE KIDDER, PH.D., SC.D. *Stone Professor of Biology*  
 THEODORE KOESTER, PH.D. *Professor of Psychology*  
 STERLING POWER LAMPRECHT, PH.D. *Professor of Philosophy on the Emily C. J. Folger Foundation*  
 EARL LATHAM, PH.D. *Joseph B. Eastman Professor of Political Science*  
 KARL LOEWENSTEIN, D.C.L. *William Nelson Cromwell Professor of Jurisprudence and Political Science*  
 ALBERT ERNEST LUMLEY, M.A. *Professor of Physical Education*  
 ALLISON WILSON MARSH, M.ED. *Professor of Hygiene and Physical Education and Director of the Gymnasium*  
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 HENRY GEORGE MISHKIN, PH.D. *Professor of Music*  
 CHARLES HILL MORGAN, PH.D. *Professor of Fine Arts on the William R. Mead Foundation*  
 \* VINCENT MORGAN, MUS.M. *Professor of Music*  
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 LAURENCE BRADFORD PACKARD, PH.D. *Anson D. Morse Professor of History*  
 HAROLD HENRY PLOUGH, PH.D. *Edward S. Harkness Professor of Biology*  
 STANLEY CURTIS ROSS, B.A., LL.D. *Visiting Professor of Economics*  
 \* EDWIN CHARLES ROZWENC, PH.D. *Dwight Morrow Professor of History*  
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 OSCAR EMILE SCHOTTÉ, SC.D. *Rufus Tyler Lincoln Professor of Biology*  
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 WILLARD LONG THORP, PH.D., LL.D. *Professor of Economics and Director of the Merrill Center for Economics*  
 FREDERICK KING TURGEON, PH.D. *Professor of French*  
 COLSTON ESTEY WARNE, PH.D. *Professor of Economics*  
 ROBERT BYRON WHITNEY, PH.D. *George H. Corey Professor of Chemistry*  
 ALBERT ELMER WOOD, PH.D. *Professor of Biology*

† Absent on leave for the first semester.

‡ Absent on leave for the second semester.

\* Absent on leave for the first and second semesters.

BENJAMIN MUNN ZIEGLER, LL.B., PH.D.

*Bertrand Snell Professor of Political Science*

\* CÉSAR LOMBARDI BARBER, B.A.

*Associate Professor of English*

BRUCE BUZZELL BENSON, PH.D.

*Associate Professor of Physics*

GEORGE WESLEY CANNON, PH.D.

*Visiting Associate Professor of Chemistry*

OSCAR DONALD CHRISMAN, M.D.

*Associate College Physician*

HASKELL ROBERT COPLIN, PH.D.

*Associate Professor of Psychology and Student Counselor*

GEORGE ARMOUR CRAIG, PH.D.

*Associate Professor of English*

WILLIAM WALKER GIBSON, JR., PH.D.

*Associate Professor of English*

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*Associate Professor of History*

† MANFORD VAUGHN KERN, M.A.

*Associate Professor of Classics*

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*Associate Professor of Physical Education*

† RALPH CLELAND MCGOUN, JR., M.A.

*Associate Professor of Dramatics*

JOHN JACKSON McLAUGHRY, B.A.

*Associate Professor of Physical Education*

JOHN ANDREW MOORE, M.A.

*John C. Newton Associate Professor of Greek and Humanities*

EDWIN BURR PETTET, PH.D. *Stanley King Associate Professor of Dramatics and*

*Director of the Kirby Memorial Theater*

ELLSWORTH ELLIOTT RICHARDSON, M.A.

*Associate Professor of Physical Education and Director of*

*Freshman Physical Education and Athletics*

CHARLES ENSIGN ROGERS, M.A.

*Associate Professor of Fine Arts and Dramatics*

STEVEN MARTIN ROSTAS, M.ED.

*Associate Professor of Physical Education*

RICHARD EUGENE WILSON, M.ED.

*Associate Professor of Physical Education*

† OTIS CARY, M.A.

*Assistant Professor*

WENDELL VERNON CLAUSEN, PH.D.

*Assistant Professor of Classics*

ALBERT DARY CROWELL, PH.D.

*Assistant Professor of Physics*

BENJAMIN HAILE DEMOTT, PH.D.

*Assistant Professor of English*

HENRY FREDERICK DUNBAR, JR., PH.D.

*Assistant Professor of Physical Education*

JOSEPH EPSTEIN, PH.D.

*Assistant Professor of Philosophy*

JOHN RANDOLPH GALT, M.A.

*Assistant Professor of Air Science, Capt., USAF*

ROBERT FREEMAN GROSE, PH.D.

*Assistant Professor of Psychology*

ROBERT WATSON HARMAN, B.S.

*Assistant Professor of Air Science, Capt., USAF*

ERNEST ALFRED JOHNSON, JR., PH.D.

*Assistant Professor of Romance Languages*

ALBERT PAUL LINNELL, PH.D.

*Assistant Professor of Astronomy*

JAMES NICOL, PH.D.

*Assistant Professor of Physics*

MURRAY BISBEE PEPPARD, PH.D.

*Assistant Professor of German*

† Absent on leave to Doshisha University, Kyoto, Japan.

‡ Absent on leave for the second semester.

\* Absent on leave for the first and second semesters.

BURTON THOMAS POOLE	<i>Assistant Professor of Air Science, Major, USAF</i>
NATHANIEL MCLEAN SAGE, PH.D.	<i>Assistant Professor of Geology</i>
WALLACE PANCOAST SCOTT, M.A.	<i>Assistant Professor of History</i>
HENRY THOMAS YOST, JR., PH.D.	<i>Assistant Professor of Biology</i>
CARL HELMUT AMBERG, PH.D.	<i>Instructor in Chemistry</i>
RUFUS TAPPEN BELLAMY, M.A.	<i>Instructor in English</i>
ROBERT CHARLES BIRNEY, M.A.	<i>Instructor in Psychology</i>
GERALD PATRICK BROPHY, PH.D.	<i>Instructor in Geology</i>
JOHN FRANCIS BUTLER, M.A.	<i>Instructor in English</i>
ARNOLD PETER COLLERY, B.A.	<i>Instructor in Economics</i>
WILLIAM HUMISTON DARR, B.A.	<i>Instructor in Fine Arts</i>
JOHN FRANCIS ELLIS, PH.D.	<i>Instructor in Biology</i>
RICHARD FRANCIS FENNO, JR., M.A.	<i>Instructor in Political Science</i>
NORTON GARFINKLE, B.A.	<i>Instructor in American Studies</i>
RICHARD MERRILL GOWEN, B.A.	<i>Instructor in Physical Education</i>
CHRISTOPHER MORRILL GREENE, B.A.	<i>Instructor in History</i>
THAYER AINSWORTH GREENE, B.D.	<i>Chaplain</i>
THEODORE PHINNEY GREENE, M.A.	<i>Instructor in History</i>
JOHN BURT HALSTED, M.A.	<i>Instructor in History</i>
WILLIAM MICHAEL HEXTER, PH.D.	<i>Instructor in Biology</i>
FRANCIS THOMAS JUSTER, B.S.	<i>Instructor in Economics</i>
DAVID SHEPHERD KING, B.A.	<i>Assistant Chaplain</i>
CHARLES WILLIAM LUDINGTON, M.F.A.	<i>Instructor in Music</i>
WILLIAM BLACKALL MILLER, M.A.	<i>Instructor in Fine Arts</i>
KERMIT MORRISSEY, B.A.	<i>Instructor in Political Science</i>
JULIAN LANE MOYNAHAN, M.A.	<i>Instructor in English</i>
MILMAN PARRY, M.A.	<i>Instructor in Classics</i>
GORDON S. REID, M.A.	<i>Instructor in Physical Education</i>
MICHAEL MULLEN ROBISON, PH.D.	<i>Instructor in Chemistry</i>
RICHARD H. RUSSELL, M.A.	<i>Instructor in History</i>
PAUL SAMUEL SANDERS, TH.D.	<i>Instructor in Religion</i>
WALTER ALFRED SEDELOW, JR., M.A.	<i>Instructor in History</i>
SAMUEL EMLÉN STOKES, JR., PH.D.	<i>Instructor in Romance Languages</i>
HENRY TRACY STURCKEN, JR., PH.D.	<i>Instructor in Spanish</i>
CHARLES PERRY SWIGGART, PH.D.	<i>Instructor in English</i>
HENRY LEE TAPP, PH.D.	<i>Instructor in German</i>
MARVIN L. TOMBER, PH.D.	<i>Instructor in Mathematics</i>
DUDLEY HERBERT TOWNE, M.A.	<i>Instructor in Physics</i>
RICHARD G. VAN PETERSILGE	<i>Assistant to the Chairman of the Department of Physical Education and Intercollegiate Athletics</i>
ALFRED BURTON WILLCOX, PH.D.	<i>Instructor in Mathematics</i>
PHILIP TYLER ZABRISKIE, B.D.	<i>Assistant Chaplain</i>

JONATHAN PEALE BISHOP, M.A.	<i>Intern-Instructor in English</i>
ARTHUR LOUIS JENSEN, PH.D.	<i>Intern-Instructor in Economics and American Studies</i>
ROBERT LOGAN KNUTSON, M.A.	<i>Intern-Instructor in Economics and American Studies</i>
EDWARD CAHILL PARK, B.A.	<i>Intern-Instructor in Physics</i>
NIKOS PSACHAROPOULOS, M.F.A.	<i>Intern-Instructor in Dramatic Arts</i>

## Associate

PHILIP TRUMAN IVES, PH.D.	<i>Research Associate in Biology</i>
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## Assistants

RUDOLF W. BAUER	<i>Physics</i>
KATE D. BREUSCH	<i>German</i>
JAMES C. BROCOUM	<i>Biology</i>
ENRIQUE CASTRO	<i>Romance Languages</i>
PAUL E. COLLIER	<i>Physics</i>
RICHARD A. DOHERTY	<i>Biology</i>
FRITZ EBERLING	<i>German</i>
S. ROBERT HILFER	<i>Biology</i>
JEAN-LUC MAGNERON	<i>Romance Languages</i>
JEAN-LOUIS NOEL	<i>Romance Languages</i>
CÉSAR A. QUINTANA	<i>Romance Languages</i>
BERNARD E. J. ROBART	<i>Romance Languages</i>
FRANÇOIS STEEG	<i>Romance Languages</i>
ROBERT C.-Y. TING	<i>Biology</i>
CLAUS-ERICH WEISZ	<i>German</i>
ELBRIDGE C. ZIMMERMAN	<i>Physics</i>

## Faculty Committees

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- Committee on Educational Policy:* Professors ARONS (Chairman), HAVIGHURST, MARTIN, MISHKIN, MOORE (Secretary)
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- Committee on Admission and Scholarships:* President COLE (Chairman), Dean WILSON (Secretary), Dean BACON, Dean ESTY, Dean PORTER, and Professor KIDDER.
- Committee on Intercollegiate Athletics:* President COLE (Chairman), Dean PORTER (Secretary), Professors ECKLEY, LUMLEY, McLAUGHRY, MARSH, RICHARDSON, WILSON, ZIEGLER, and Doctor BROWN.

*Lecture Committee:* Professors FRENCH (Chairman), GRAHAME, and NELSON.  
*Library Committee:* Professors McKEON (Chairman), BAIRD, HAVIGHURST,  
 KOESTER, LATHAM, SCENNA, and WOOD.

## Fellows

ROBERT M. ABRAMS	Boston University School of Medicine <i>John Woodruff Simpson Fellow in Medicine</i>	
JOHN H. ARMSTRONG		Harvard
	<i>Amherst Memorial Fellow in English</i>	
JAMES J. BARNES		Oxford
	<i>George A. Plimpton Fellow in History</i>	
CRAIG C. BLACK	Johns Hopkins Medical School <i>John Woodruff Simpson Fellow in Medicine</i>	
THOMAS H. BLACKBURN		Oxford
	<i>George A. Plimpton Fellow in English</i>	
IRWIN F. DEUTSCH		Columbia
	<i>George A. Plimpton Fellow in Law</i>	
WILLIAM F. EDWARDS		Columbia
	<i>Rufus B. Kellogg University Fellow in Philosophy</i>	
JOHN T. EWING		Yale
	<i>John Woodruff Simpson Fellow in Law</i>	
GERALD M. FENDRICK	University of Rochester Medical School <i>John Woodruff Simpson Fellow in Medicine</i>	
NORMAN S. FIELEKE		Harvard
	<i>Roswell Dwight Hitchcock Memorial Fellow in Economics</i> <i>Amherst Memorial Fellow in Public Affairs</i>	
A. GEORGE GEBAUER	Massachusetts Institute of Technology <i>Forris Jewett Moore Fellow in Chemical Engineering</i>	
CHARLES M. GRIMSTAD		Harvard
	<i>John Woodruff Simpson Fellow in Law</i>	
GEORGE B. KIM		Wisconsin
	<i>Amherst Memorial Fellow in Public Finance and Economic Planning and Social Legislation</i>	
DONALD A. B. LINDBERG	College of Physicians and Surgeons, Columbia <i>John Woodruff Simpson Fellow in Medicine</i>	
DAVID F. LUNDEEN		Harvard
	<i>John Woodruff Simpson Fellow in Law</i>	
JAMES A. NIXON		Harvard
	<i>Amherst Memorial Fellow in Economics</i>	
CARL M. PELLMAN	College of Physicians and Surgeons, Columbia <i>George A. Plimpton Fellow in Medicine</i>	
DWIGHT M. SCANDRETT	Amherst College and U. of Mass. <i>Edward Hitchcock Fellow in Physical Education</i>	

ROBERT H. SCHAPIRO	Johns Hopkins Medical School
	<i>John Woodruff Simpson Fellow in Medicine</i>
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	<i>John Woodruff Simpson Fellow in Law</i>
DAVID R. L. SIMPSON	New York City
	<i>Edward Poole Lay Fellow in Voice</i>
RICHARD L. SOFFER	Harvard
	<i>George A. Plimpton Fellow in Medicine</i>
IRWIN M. SPIEGELMAN	Columbia
	<i>George A. Plimpton Fellow in Biology</i>
EDWARD W. SPOFFORD	Cornell
	<i>James Ingram Merrill Award in English</i>
CLIFFORD B. STORMS	Yale
	<i>George A. Plimpton Fellow in Law</i>
EDWARD W. TAYLER	Stanford
	<i>Henry P. Field Fellow in English</i>
RAYMOND W. TURNER	Yale
	<i>John Woodruff Simpson Fellow in Medicine</i>
DAVID G. UNDERWOOD	Cornell
	<i>John Woodruff Simpson Fellow in Medicine</i>
EDWIN G. WARNER	Columbia
	<i>Amherst Memorial Fellow in Political Science</i>
STEPHEN C. WHITMORE	Yale Divinity School
	<i>Amherst Memorial Fellow in Theology</i>

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## Amherst College Library

NEWTON FELCH McKEON, JR., B.A.	Director
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KATHERINE CONOVER COWLES, B.A.	Chief Cataloguer
EBENEZER PORTER DICKINSON	Reference Librarian
RUTH MARIE ERIT, B.A.	Order Librarian
MRS. MERRILL JASPER MACK	Head of Circulation

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## The Pratt Museum of Geology

GEORGE WILLIAM BAIN, PH.D.	Curator
ALBERT ELMER WOOD, PH.D.	Associate Curator
NATHANIEL McLEAN SAGE, JR. PH.D.	Associate Curator
GERALD PATRICK BROPHY, PH.D.	Associate Curator
RAYMOND EMIL SCHORTMANN	Associate Curator

## Snell Museum of Physics

THEODORE SOLLER, PH.D.

*Director*

## Edward Hitchcock Memorial Room

RENA MARY DURKAN

*Curator*

## Amherst College Wildlife Sanctuary

WALTER CHARLES MARKERT, B.S.

*Director*

## Mead Art Building

CHARLES HILL MORGAN, PH.D.

*Director*

CHARLES ENSIGN ROGERS, M.A.

*Assistant Director*

MARGARET CECILIA TOOLE, B.A.

*Assistant Curator of Painting*

## ADVISORY COMMITTEE ON ACQUISITIONS

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Worcester, Mass.

*Curator, Worcester Art Museum*

CHARLES HILL MORGAN, PH.D.

Amherst, Mass.

*Professor of Fine Arts on the William R. Mead Foundation*

CHARLES HENRY SAWYER, L.H.D.

New Haven, Conn.

*Dean of the School of Fine Arts, Yale University*

JAMES KELLUM SMITH, L.H.D.

New York, N. Y.

*President of the American Academy in Rome*

FRANCIS HENRY TAYLOR, L.H.D.

New York, N. Y.

*Director of the Metropolitan Museum of Art*

CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D.

Amherst, Mass.

*President of the College, ex officio*

## Kirby Memorial Theater

EDWIN BURR PETTET, PH.D.

*Director*

CHARLES ENSIGN ROGERS, M.A.

*Designer*

RALPH CLELAND MCGOUN, JR., M.A.

*Technical Director*

## Advisor on Charitable Fund Awards

FRANK LEAROYD BOYDEN, SC.D., PD.D., LITT.D., L.H.D., LL.D.

Deerfield, Mass.

# Amherst College

Amherst College is located in the center of Amherst, Massachusetts — a rural community of some 8,500 residents situated in the lovely and fertile Connecticut River Valley of Western Massachusetts. The countryside is given over largely to dairying and farming in which tobacco, potatoes, and onions dominate the economy. It is also a cultural area for at the northern end of the town is the University of Massachusetts and within a few miles are Smith College, at Northampton, and Mount Holyoke College, at South Hadley.

The town is an offshoot of Hadley which it adjoins to the west and which, in turn, was a subdivision of Northampton, settled in 1654 by pioneers pushing north along the Connecticut River from Windsor and Springfield. Though Hadley was established by 1659, there is no evidence of permanent settlement in its "Third Precinct" — later to be named Amherst — until 1731; in that year eighteen families are known to have built their homes along this then remote frontier.

Settlement in those early days was indeed hazardous, for in the late seventeenth century came the most harrowing Indian conflicts in New England's history known as King Philip's War. Colonies fell back on one another as outpost after outpost was obliterated — including the well known massacres in 1675 at Deerfield and Bloody Brook a few miles to the north. Hadley itself was beset the following spring.

Upon King Philip's assassination in 1676 peace returned — but not for long. In 1688, in alliance with and goaded by the French, Indians again fell upon isolated communities of the valley and continued their bloody forays for many years.

Settlement of the Third Precinct was sufficient by 1759, however, for the Massachusetts General Court to grant the community's petition that it become "a separate and distinct district" named for Sir Jeffery Amherst "in token of our regard for the worthy knight and of our own admirable friendship for same."

A year after the town's founding General Amherst achieved his greatest triumph when, in concert with Wolfe's recovery of Quebec, he captured the series of frontier posts at Ticonderoga, Crown Point, Oswego, and Fort Niagara, and then effected the surrender of Montreal. Capitulation of these two centers brought an end to French activity in America and hastened an end to the French and Indian War.

Amherst College was founded in 1821 by residents of the town of Amherst and of the embracing valley "for the Classical Education of indigent young men of piety and talents for the Christian ministry." No single man was responsible for its birth, for it sprang from community interest and enterprise. A handful of devoted men, to be sure, inspired

and led the movement to establish a "Collegiate Institution at Amherst," best known of whom was Noah Webster, the lexicographer; but the College is named for the town that made it possible, rather than for Lord Jeffery Amherst from whom the town took its name.

Actually, the founders of the College established a dual organization which continued for over a hundred years: Amherst College, administered by a Board of Trustees, and the Charity Fund, under a Board of Overseers. The latter, formed in 1818 (thus antedating the College by three years), had assets of \$50,000 in promissory notes from two hundred and seventy-five subscribers when South College, the campus' first building, was completed in 1821. This then represented the College's only endowment and so continued for many years. In its charter was the provision that of its income five-sixths should be used as scholarship aid for students preparing for the ministry, and one-sixth should be added each year to the principal.

Similarly, South College arose on donated land and was built largely by labor, materials, and provisions contributed by friends in the town and countryside. When constructed, its bills unpaid and unprovided for totaled less than \$1,300.

Zephaniah Swift Moore, then president of Williams College, answered the Trustees' call to become Amherst's first president, and over the Berkshires with him came several members of his faculty and student body. The first class was composed of forty-seven students, for the most part from New England. Two years later North College was completed, and in 1827, between these first two buildings, Johnson Chapel, thus forming College Row.

Since 1821 Amherst has grown considerably but remains an independent, gift-supported college. Approximately 1050 students are now enrolled; the faculty has nearly one hundred and twenty members; college property consists of four hundred and five acres; buildings—exclusive of college-owned faculty residences and independently owned fraternities—number forty-one; endowment exceeds \$20,000,000; there are over 9,000 living alumni and non-graduates.

College buildings now include the chapel, auditorium, library, dormitories, classrooms, laboratories (in biology, chemistry, geology, and physics), natural history museum, art center, observatory, central dining hall, physical education units, theater, infirmary, music house, and maintenance group.

The Folger Shakespeare Memorial Library in Washington, D. C., and the Merrill Center for Economics at Southampton, Long Island, N. Y., are also administered by the College's Board of Trustees.

Today's students come from most of the United States: about half reside in the Middle Atlantic area, a quarter in New England, a fifth in

the Middle West, and the remainder in the rest of the country and abroad. The proportion of those who prepared for college in public and private schools is about equal. Nearly a quarter of the undergraduates receive scholarship aid from the income of funds amounting to over \$1,500,000. Unlike the College's early days when most of its students prepared for the Christian ministry, about half its recent graduates have continued their studies in graduate or professional schools and half have entered business.

Amherst's courses are confined to the liberal arts and sciences and lead only to the bachelor of arts degree; no vocational or specialized studies are offered. In 1947 a general curriculum was adopted (outlined on pages 37-40) under which all students follow a prescribed program of studies during the first two years, and "major" or take "honors" work during the last two years in "area" or departmental studies.

The College's corporate name is "The Trustees of Amherst College." Its general government is vested in this Board, eighteen in number, of whom the President and the Treasurer of the College are members *ex officio*, ten are elected by Trustee vote without limit of term, and six are elected by graduates of the College for terms of six years each. The President is charged with the general administration of the College. Subject to the Trustees' reserved authority, educational policy and rules of conduct are determined by the Faculty.

A list of the Presidents of the College, with their terms of service, follows:

REV. ZEPHANIAH SWIFT MOORE, D.D.	1821-1823
REV. HERMAN HUMPHREY, D.D.	1823-1845
REV. EDWARD HITCHCOCK, D.D., LL.D.	1845-1854
REV. WILLIAM AUGUSTUS STEARNS, D.D., LL.D.	1854-1876
REV. JULIUS HAWLEY SEELYE, D.D., LL.D.	1876-1890
MERRILL EDWARDS GATES, PH.D., LL.D., L.H.D.	1890-1899
REV. GEORGE HARRIS, D.D., LL.D.	1899-1912
ALEXANDER MEIKLEJOHN, PH.D., LL.D.	1912-1924
GEORGE DANIEL OLDS, LL.D.	1924-1927
ARTHUR STANLEY PEASE, PH.D., LL.D.	1927-1932
STANLEY KING, LL.D.	1932-1946
CHARLES WOOLEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D.	1946-

## The Folger Shakespeare Library

By the will of the late Henry Clay Folger of the Class of 1879, there was bequeathed to the Trustees of Amherst College the Folger Shakespeare Memorial Library in Washington, D. C., together with an endowment for maintenance, later increased by the generosity of Mrs. Folger.

The building, located on East Capitol Street directly east of the Library of Congress, was erected at a cost of more than \$2,000,000. Its endowment now stands at about \$9,500,000, and its collections are valued at over \$2,740,000. On the Library's main floor are: an Exhibition Gallery with displays of rare books, manuscripts, paintings, and miscellaneous curios and works of art; an Auditorium in the form of a reproduction of the interior of an Elizabethan playhouse; a large Reading Room, representing a Tudor Banqueting Hall and hung with early tapestries; four Vaults, containing the rarest portions of the collections; a Reception Room for social purposes; and Administration Offices. On the second floor are: Private Studies for the use of visiting scholars; the Cataloguing and Bibliographical Room; the Photographic Laboratory; and a Wardrobe for theatrical costumes. On the third floor are stored the art collections and other museum material.

The Library concentrated its original collection largely upon the life, writings, and influence of William Shakespeare, but during the past two decades it has increased its rare books and manuscripts in related fields until today it has one of the largest collections in the world for the study of English history of the sixteenth and seventeenth centuries. Only the British Museum has a larger collection of early English books.

Under the plan of the Trustees of the College, in addition to maintaining its traditional interest in Shakespeare and English Renaissance literature, the Library will exploit other fields as well. Efforts will be made to expand it as an efficient laboratory of research and investigation. Aid and encouragement will be given literary and historical scholars capable of making the most significant use of the Library's great collection of source materials. It is further intended that the Library will develop the reference collections which scholars require for the efficient utilization of rare books and manuscripts.

Research facilities of the Library are not open to casual visitors, but permission to use them may be obtained by qualified scholars upon application to the Director. Interested individuals and groups are cordially invited to visit the FOLGER's public rooms.

## FOLGER LIBRARY OFFICERS

LOUIS BOOKER WRIGHT, PH.D., LITT.D., L.H.D., LL.D.

*Director*

JAMES GILMER McMANAWAY, PH.D.

*Consultant in Literature and Bibliography*

GILES EDWIN DAWSON, PH.D.

*Curator of Books and Manuscripts*

PAUL SHANER DUNKIN, B.S.L.S., PH.D.

*Chief Cataloguer and Head of Technical Services*

EDWIN ELLIOTT WILLOUGHBY PH.D., LITT.D.

*Chief Bibliographer*

ELEANOR PITCHER

*Assistant to the Director*

VIRGINIA FREUND

*Executive Secretary*

## TRUSTEE COMMITTEE

EUSTACE SELIGMAN, LL.B., *Chairman*CHARLES WOOLSEY COLE, PH.D., SC.D., L.H.D., LITT.D., LL.D., *ex officio*ARTHUR FAIRBANKS ELLS, LL.D., *ex officio*

JULIUS SEELYE BIXLER, PH.D., D.D., L.H.D., LL.D., D.C.L.

WILLS TAYLOR ENGLE

FREDERICK SAYWARD FALES, B.A.

ARTHUR LEE KINSOLVING, D.D.

JOHN JAY McCLOY, LL.B., LL.D.

FRANCIS TAYLOR PEARSONS PLIMPTON, LL.B.

WILLARD LONG THORP, LL.D.

PAUL DYESS WEATHERS, M.B.A.

## The Merrill Center for Economics

The Merrill Center for Economics is located at The Orchard, Southampton, New York. The Orchard was presented to Amherst College in 1951 by Charles E. Merrill, an alumnus of the Class of 1908. Each summer, the Center brings together experts in the field of economics to discuss some important economic problem. They live together at The Orchard and meet regularly around a conference table and, in addition, have less formal discussions in smaller groups. Attendance is by invitation only, and the conferees are drawn from education, business, and government, both from this country and abroad. Additional speakers are invited to discuss particular problems with the group.

The Orchard consists of a beautiful, spacious house and several additional buildings on its sixteen acres. The main house is particularly noted for its paneled music-room and main staircase. Together with the Annex, it can comfortably house about thirty persons. The houses are surrounded by extensive lawns and formal gardens. The library contains current economic periodicals and is supplemented each summer as necessary with books from the Amherst College Library.

The Merrill Center is administered by the Trustees of Amherst College and maintained through the continuing generosity of Mr. Merrill. Dr. Willard L. Thorp, an alumnus of Amherst in the Class of 1920 and former Assistant Secretary of State for Economic Affairs, is director of the Center. Dr. Thorp is also Professor of Economics on the Amherst faculty.

### TRUSTEE COMMITTEE

WINTHROP HIRAM SMITH, B.A., *Chairman*

WILLS TAYLOR ENGLE

FRANCIS TAYLOR PEARSONS PLIMPTON, LL.B.

RICHARDSON PRATT, B.A.

EUSTACE SELIGMAN, LL.B.

WILLARD LONG THORP, LL.D.

PAUL DYESS WEATHERS, M.B.A.

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# I

## *General Information*

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# Admission

## GENERAL STATEMENT

Admission to Amherst College is competitive. The College attempts to select for admission those applicants who seem best qualified to benefit from the opportunities offered by an Amherst education. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic performance in high school or independent school, (2) results of the College Entrance Examination Board Scholastic Aptitude and Achievement Tests, (3) the recommendation of the high school principal or headmaster, (4) evidence of a willingness to work, (5) the character, health, and extra curricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

## HOW AND WHEN TO APPLY FOR ADMISSION

*Correspondence regarding admission to the freshman class should be addressed to the Director of Admission, Amherst College, Amherst, Massachusetts.* Each applicant for admission to the freshman class must file a formal application with the Director of Admission, preferably before March 1 of the year in which he expects to be admitted. Under certain circumstances, later applications will be considered. The formal application should be accompanied by a check or money order for \$5.00 made payable to *The Trustees of Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

A preliminary application may be filed at any time prior to the applicant's senior year. Once this preliminary application has been filed and acknowledged, the College assumes the responsibility of forwarding all formal application forms at the proper time. No priority is given to early applications.

Entering students are admitted only at the beginning of the regular college year in September.

## INTERVIEW HOURS—ADMISSION OFFICE

The Admission Office is open on weekdays from 8:30 a.m. until 12:30 p.m. and 1:30 p.m. until 4:00 p.m. and on Saturdays from 8:30 a.m. until

12:30 p.m., but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays.

### RECOMMENDED PREPARATION

The following minimum program of studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years or, if possible, 3 years of one
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics, and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Director of Admission.

Students who are planning careers in medicine, engineering or the scientific professions should include in their secondary school programs at least two years of French or German, trigonometry, physics, and chemistry. Students thinking of engineering should also include a course in solid geometry.

### SCHOLASTIC APTITUDE AND ACHIEVEMENT TESTS

All applicants for admission to the freshman class at Amherst are required to take certain tests given by the College Entrance Examination Board. Information on these tests may be obtained by writing the Amherst Admission Office.

The College Entrance Examination Board Tests are given several times a year. Applicants who are in their final year of preparatory work are expected to take the tests given in March of each year. Applications for these examinations must be filed with the Collège Entrance Examination

Board, Post Office Box 592, Princeton, New Jersey, at least a month prior to the date of the examination.

Information about these tests, location of examination centers, fees, etc., may be obtained by writing the College Entrance Examination Board, Box 592, Princeton, New Jersey.

#### REGENTS EXAMINATIONS

Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the Scholastic Aptitude and Achievement Tests given by the College Entrance Examination Board.

#### ADMISSION FROM OTHER COLLEGES OR INSTITUTIONS OF COLLEGIATE RANK

*Correspondence concerning admission of transfers should be addressed to C. Scott Porter, Dean.*

To be eligible for transfer the candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.

2. He must have completed creditably the work of at least one year in an institution of collegiate rank, and his general average at the institution he is leaving must correspond to or be better than the Amherst diploma average of seventy per cent.

3. He must present a statement of honorable dismissal.

Candidates for admission by transfer are admitted in September only.

Candidates should note that, in general, only students with a "B" average or better will be accepted for admission as transfers, and should further note that not more than ten transfers will be admitted to Amherst in September of 1955.

#### SPECIAL BOOKLET

A descriptive booklet entitled *This Is Amherst* may be had upon application to the *Director of Admission*.

#### COOPERATIVE ENGINEERING-SCIENCE PROGRAM WITH MASSACHUSETTS INSTITUTE OF TECHNOLOGY

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College has entered into a

cooperative arrangement with the Massachusetts Institute of Technology. Under this arrangement, and by properly planning his studies, a student of high standing may pursue a combined five years' program in which the first three years are spent at Amherst College and the last two at the Institute, leading to the degree of Bachelor of Arts from the College and to that of Bachelor of Science from the Institute upon completion of the combined course.

# Administration

## TERMS AND VACATIONS

The college year 1954-1955 includes two regular semesters of sixteen weeks each. In the fall semester there is a Thanksgiving recess of approximately five days, and a Christmas vacation of two weeks; and in the spring semester, a vacation of two weeks.

## ATTENDANCE AT COLLEGE EXERCISES

*The officer in general charge of matters concerning attendance at college exercises is the Associate Dean of the College.*

Students are expected to attend classes regularly. Attendance at all laboratory periods is required. First-term freshmen and students on probation are allowed no unexcused absences from class or laboratory periods. Each student must attend his last class before and his first class after the Thanksgiving, Christmas and Spring recesses. At the beginning of the semester each instructor will state his policy with regard to absences in his course, and thereafter, he will report to the Dean's Office the name of any student who violates the regulations which the instructor has set up for his own course. In such cases the Dean's Office will take appropriate action which may include a reduction in his credit hours or he may be dropped from the course.

Absences for certain recognized reasons are normally excused. Considerable discretion should be used with regard to unexcused absences, since such absences, even if not excessive, tend to reduce the effectiveness (or value) of the course. The responsibility for any work missed because of an absence rests entirely upon the student.

All official college vacations and holidays are announced on the College Calendar appearing on page 5 of this catalog.

Morning chapel services are conducted Monday, Tuesday, Thursday and Friday mornings. All students are required to attend one-half of the chapel services each week.

## STUDENT DISCIPLINE

*The officer in general charge of student discipline and conduct is the Dean of the College.*

Conduct befitting a gentleman is expected at all times of students at Amherst College. It is assumed that undergraduates will understand what constitutes gentlemanly conduct without specific regulations forbidding particular actions.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and without as-

signing any further reason therefor; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

### RECORDS AND REPORTS

*The officer in charge of records and reports is the Recorder of the College.*

Reports of standing are sent to parents or guardians at the end of each term. Rank in each subject is reported as follows:

A, 90-100%; B, 80-89%; C, 70-79%; D, 60-69%; E, 50-59%; F, below 50%. The passing grade in each individual course is 60%, and an average grade of at least 70% is required for a degree.

### ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc. Room assignments are noted on the invoice from the Comptroller's Office.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals for any reason.

### HEALTH AND PHYSICAL DEVELOPMENT

*The officer having general supervision of student health and physical development is the College Physician.*

The College Physician and his associates hold consulting hours twice daily at the Student Health Office in the Gymnasium. They keep themselves acquainted with the health of the students and provide for their proper treatment if ill. Every student is given a physical examination soon after his arrival and is advised as to his health and physical efficiency. No student will be admitted to Amherst College who has not been successfully vaccinated or who is unwilling to submit to such vaccination by the College Physician within three months after admission.

The College maintains an infirmary under the direction of the College Physician and has a consulting staff comprising surgeons, internists, and various specialists who are called by the College Physician in cases of serious illness.

A Health Fee of \$20 per semester is charged to all students. This entitles the student to medical and nursing care at the College Infirmary, as well as hospitalization in Northampton or Springfield, and the services of consultants, when recommended by the College Physician, up to a maximum of \$500.00 for any one student in a college year. The College

limits its responsibility to illnesses occurring while college is in session, including the expenses of medical treatment and hospitalization due to accidents on the athletic field or in connection with the ordinary and general procedures of the College. In the case of injuries from accidents of motor vehicles, trains, or airplanes either in traveling to or from Amherst or while resident in Amherst, the College's responsibility for medical and hospital expenses is limited to the services of the College Physician, the services of the Health Office, and care in the College Infirmary for a period not exceeding ten days. In such cases the College will not accept responsibility for medical or surgical bills of consultants, special nursing, or hospitalization in outside hospitals. The cost of prescription medication, glasses, and routine dentistry is not covered by the Health Fee.

Students or their parents are, of course, free to select consultants, surgeons, or hospitals of their own choice, but in such cases the fees of the physicians, surgeons, nurses, hospitalization, and incidental fees are not paid by the College.

In the cases of students who have served in the armed forces of the United States, the College's responsibility is limited to illnesses and accidents of a nature covered by its responsibilities to its regular civilian students. Expenses for illnesses arising in whole or in part from previous service in the armed forces are not covered. The decisions of the College Physician as to what expenses will be met by the College shall be final.

A student is entitled to no further health service after withdrawal or dismissal from college.

Parents are notified by mail of all infirmary admissions unless the illness is thought of sufficient severity to warrant direct communication by telephone. In emergencies requiring immediate surgery, when parents cannot be consulted in advance, the President will assume responsibility for the authorization of operation.

Students who are unable to attend classes because of illness are required to go to the infirmary unless living with their families in Amherst or vicinity. Sick excuses are given only for such time as is spent either in the infirmary or, if living with their families, under a physician's care.

The College Infirmary, built in 1938, is located on the campus, is of fireproof construction, and is designed in accordance with the best modern practice. It has a normal capacity of nineteen beds, and an emergency capacity of forty beds. It contains a lounge room with a selected library and two solaria for convalescing students, an operating room for minor surgical cases, a laboratory, and an isolation ward for the treatment of infectious diseases.

#### OCCUPATIONAL GUIDANCE

In liberal arts colleges such as Amherst, where few studies are of di-

rect occupational significance, it is natural that many undergraduates find their most perplexing problem that of making a proper choice of a life career. To help undergraduates solve this problem, the College offers an occupational guidance program. This program assists students to (1) discover their own special interests, aptitudes, talents, and powers; (2) discover the most promising outlets for these special and individual powers; (3) become familiar with the best techniques in obtaining a job, and (4) recognize the principal adjustments needed in changing from a life on the campus to one in the business world.

The undergraduate who participates in this voluntary program will find himself better prepared to make a wise vocational choice and better equipped to face the business world.

## Tuition and Fees

*The officer having general supervision of the collection of Tuition and Fees is the Comptroller.*

A candidate's formal application for admission should be accompanied by a \$5.00 application fee in check or money order made payable to The Trustees of Amherst College. Upon notification of admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of \$100 which will be credited in full on the first term bill.

Student accounts are payable at the Office of the Comptroller. Bills will be mailed to students or to their parents approximately two weeks before the due date, the Saturday prior to the opening day of each semester. Freshmen and other new entrants should make payments on or before arrival. Advance payment by mail upon receipt of bill will be a convenience to the student and to the college.

In hardship cases, special arrangements may be made with the Comptroller *in advance* for extending payments over a short period.

Identification cards must be picked up in person at the Comptroller's Office before course cards may be obtained.

### SUMMARY OF CHARGES

	<i>Each Semester</i>	<i>Total for Year</i>
Tuition	\$350.00	\$ 700.00
Room	112.50	225.00
Board	200.00	400.00
Health Fee	20.00	40.00
Intercollegiate Athletic Fee	16.00	32.00
Student Activities Fee	11.50	23.00
Total	<hr/> \$710.00	<hr/> \$1420.00

Each student, when he first enters or reenters college, is charged a guarantee deposit of \$25. After graduation or earlier termination of his course, this deposit is refunded, less any amounts then due on account of lost equipment, library fines, breakage, etc. This does not, however, relieve the student from the responsibility of paying such miscellaneous charges when incurred. Toward the end of each semester, such items not paid at their source will be referred to the Comptroller for collection, plus a penalty charge.

Each Senior is charged a degree fee of \$7 in his final semester.

For extra courses taken to remove delinquencies incurred at Amherst, there will be a charge of \$90 per semester for each four-hour course, \$67.50 per semester for each three-hour course, \$45 per semester for each two-hour course, and \$22.50 per semester for required Public Speaking and any other one-hour course. For delinquencies in Physical Education a charge of \$22.50 will be levied during each semester following sophomore year until the delinquency is removed.

In the case of any students who have unpaid balances due the College, earnings from any College employment may be applied to reduce their indebtedness.

A fee for the support of various activities of the student body is determined by the Student Council. This fee is collected by the College and turned over to the Advisor of Student Organizations for expenditure under his supervision. For the year 1954-55, the fee has been set at \$21.50. For this fee each student receives a copy of the yearbook, the OLIO; a one year's subscription to the student newspaper and magazine, THE AMHERST STUDENT and SABRINA-CONTEXT; and contributes to the support of the college band, the debate council, the radio station, the crew, and sundry other activities of the student body which fall under Council jurisdiction. To this fee is added \$1.50, covering admission to Masquers performances, which are under College rather than Council jurisdiction, making a total of \$23.00, one half of which, \$11.50, will appear on each semester bill.

#### SUMMARY OF EXPENSES

Beyond the total amount billed by the College will be the student's personal expenses, membership dues in student organizations, clothing, travel, books, and miscellaneous items, all of which will vary greatly with the individual but will probably range from one to two hundred dollars per semester.

# Scholarships and Beneficiary Aid

*The officer directly in charge of the administration of scholarships and beneficiary aid is the Associate Dean of the College.*

The beneficiary funds of the College aggregate over \$1,685,000. The income of these funds is distributed annually among students of high character and superior scholastic ability who can demonstrate financial need.

## SCHOLARSHIPS FOR THE THREE UPPER CLASSES

Applicants for scholarships, or for renewal of scholarships, from the three upper classes must file at the Associate Dean's office, on or before May 1st, an account of their income and expenditures for the preceding year, and an estimate of their income and expenditures for the following year.

As a minimum scholastic requirement, applicants for scholarships from the three upper classes must pass all of their courses of the preceding year with an average of at least seventy-five per cent. In general, awards are restricted to students who stood in the upper half of their respective classes during the previous college year.

## SCHOLARSHIPS FOR INCOMING STUDENTS

More than forty scholarships are awarded annually to applicants for admission to college who are in need of financial aid and who meet in full the entrance requirements. These scholarships range from \$300 to \$1500. They are awarded for the first term in residence and entitle the recipient to a credit on the first bill for tuition. The continuation of each scholarship for the following term depends upon the student's passing all of his courses in his first term with an average of at least seventy-five per cent, and, when granted, involves a credit on the next term bill. All candidates for these scholarships must be candidates for admission and must take the Scholastic Aptitude Test and Achievement Test, given by the College Entrance Examination Board. Correspondence concerning scholarships should be addressed to the Associate Dean of the College, Amherst College, Amherst, Massachusetts. Each applicant for scholarship aid must file a formal application before March 1st. No special examinations are needed other than the College Board tests required for Admission.

## SCHOLARSHIP FUNDS

Throughout the whole history of the College funds have been given or bequeathed, the incomes of which are to be used for the assistance of worthy and needy students. A few of these funds are restricted to candidates for the ministry and a few of them are restricted by other factors, such as the geographical location of the home of the applicant. In a few

cases it is stipulated that the award from a particular fund shall be made to a particularly designated student. For the most part, however, the income of these funds may be awarded as the College sees fit. Three State Scholarships of full tuition are awarded annually to qualified residents of Massachusetts.

#### SPECIAL SCHOLARSHIPS

*Sloan National Scholarships:* These special awards were established by the Alfred P. Sloan Foundation and are open to applicants who reside in the continental United States. With one exception, the stipends granted under these scholarships will vary with the financial need of the applicant. Awards will range from a minimum of \$200 to a maximum of \$2000 and will be renewed each year provided the recipient's performance continues on a high level and his relative financial need does not change. One \$200 honorary Sloan Award will be made to an outstanding applicant irrespective of financial need. Sloan awards will be made to men who have outstanding academic records in secondary school, who have demonstrated unusual initiative, and who appear to have the character and personality required for future leadership.

*Alumni Fund Scholarships:* A limited number of special awards financed from the Amherst Alumni Fund are available for outstanding students depending upon financial need. Stipends range up to \$1500 and are renewed annually unless the recipient fails to maintain a high scholastic average or his financial need decreases.

#### RESIDENTS OF AMHERST

Free tuition may be granted at the discretion of The Trustees of Amherst College to applicants for admission who can satisfy in full the entrance requirements for Amherst College, who have been residents of Amherst for three years before the time of admission to college, and whose parents have also been residents of Amherst for three years. The grants of free tuition are continued throughout the college course, provided the students concerned satisfy the scholarship requirements of the College, conform to its regulations, and the parents of the students concerned continue to live in Amherst.

#### STUDENT LOAN FUND

Through the liberality of friends of the College, provision is made for loans of a limited amount to the few students in the later years of the course, at a low rate of interest, upon notes to be paid in subsequent years. In accordance with the conditions imposed by the donors of the Loan Fund, its use is limited to students in good scholastic standing whose habits of expenditure are economical. Application blanks may be obtained at the Associate Dean's office.

# Degrees

## MASTER OF ARTS

The Master of Arts degree is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean.

### REQUIREMENTS FOR MASTER OF ARTS DEGREE

To become a candidate for the Master of Arts degree, students are expected to have at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to begin work for this degree.

Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence in Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

## BACHELOR OF ARTS

The degree Bachelor of Arts is conferred upon students of Amherst College who have satisfactorily met the requirements prescribed for that degree. The plan of studies leading to the degree Bachelor of Arts is arranged on a basis of the equivalent of an eight-semester course to be pursued by students in residence at the College.

The Bachelor of Arts degree *cum laude*, *magna cum laude* or *summa cum laude* (Degree with Honors), is awarded to students who have successfully completed an approved program of honors work with a department or group.

To other students who have satisfactorily met the requirements the degree Bachelor of Arts *rite* is awarded.

### REQUIREMENTS FOR BACHELOR OF ARTS DEGREE

The degree of Bachelor of Arts is awarded to students who complete a minimum of one hundred and twenty-eight credit hours, of which at least

sixty-four must be completed in the freshman and sophomore years, and at least sixty-four in the junior and senior years; who in freshman and sophomore years complete three two-year sequence courses in natural science, social science, and English-Humanities; who in junior and senior years take at least fifteen credit hours outside the division in which they are majoring; and who complete certain prescribed work in public speaking and physical education.

*Note A:* A Sophomore who finds it necessary to exceed the sixty-four credit-hour minimum of the first two years in order to take an introductory course in a department in which he plans to major may, with the Dean's permission, postpone a required sophomore course to the junior year.

*Note B:* A portion of the fifteen credit-hour extra-divisional requirement may be waived by departmental representatives whenever they consider it justified. In such cases, students, both *rite* and honors, must submit a written statement to the representatives of the departments in which they are majoring giving the reasons why the requirement should be waived.

*Note C:* Students in the class of 1955 will be required to complete sixty-two credit-hours during freshman and sophomore years and sixty-four during junior and senior years, and a total of at least one hundred and twenty-six hours.

Candidates must have no deficiencies in the work of any year; must satisfy the language requirement in French, German, Italian, Russian, Spanish, Latin or Greek; must attain a general average of 70 percent in the courses completed at Amherst College and a grade of at least 70 percent in every course completed in another institution.

A major consists of the equivalent of thirty credit hours pursued under the direction of a department or special group. A major cannot begin later than the junior year and may begin in either the freshman or sophomore year. No year without a course in the major may intervene between its beginning and its end. Each department decides whether a freshman course in a department shall count toward its major.

The major can be met in accordance with either of two plans:

Plan A: A student may complete the thirty credit hour requirement within one department. He must complete at least twenty-two credit hours within one department, however, in which case he may complete the remaining credit hour requirement in related fields approved by the department.

Plan B: Combinations of courses not provided for under Plan A, but similar in aim to the established group majors in American Studies and Renaissance Studies, may be made with the consent of the several departments concerned and of the Dean.

## LANGUAGE REQUIREMENTS

The college language requirement may be satisfied in any of the following languages: French, German, Italian, Russian, Spanish, Latin, or Greek.

In modern languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in the language, plus a demonstration of ability to comprehend the spoken language in an oral examination to be given to freshmen at the beginning of the college year.

2. After entrance, by passing course 5, or by passing reading and aural comprehension examinations to be given at the end of course 3.

In ancient languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in Latin or Greek.

2. After entrance, by passing Latin 3 with a grade of C, by passing any higher numbered course in Latin, or by passing Greek 3.

## DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the Commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such award the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 80 to be eligible to be considered for the degree *cum laude*, of 86 for the degree *magna cum laude*, and of 90 for the degree *summa cum laude*. (2) Candidates must receive the recommendation for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be their practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

A student is expected to have a general average of at least 80 percent at the time he is accepted as a candidate for honors in a department or

group. However, in exceptional cases, if the department concerned approves, a student whose average is below 80 percent may become a candidate for the degree with honors.

A candidate for a degree with honors may be permitted, at the discretion of the department in which he is majoring, to substitute in his junior year a conference course for one of his regular three- or four-hour courses, and in his senior year a conference course for one or two of his regular three- or four-hour courses.

## THE AMHERST CURRICULUM

1954-1955

<div>DIVISION I</div> <div><i>The Humanities</i></div>	<div>DIVISION II</div> <div><i>Social Studies</i></div>	<div>DIVISION III</div> <div><i>Mathematics and Natural Sciences</i></div>
Dramatics Arts English Fine Arts French German Greek Humanities Italian Latin Music Philosophy Public Speaking Religion Spanish	American Studies Economics History Legal Studies Political Science	Astronomy Biology Chemistry Cryptography Geology Mathematics Physics Psychology Science

## U. S. Air Force Reserve Officers' Training Corps

This program is optional for incoming freshmen who meet the following requirements: (1) More than 14 and less than 23 years of age at time of initial enrollment; (2) Citizen of the United States; (3) A record free from conviction by any civil court for other than a minor traffic violation; (4) Pass a physical examination which qualifies the individual duty as a reserve officer in the United States Air Force.

The AF ROTC program is divided into basic and advanced courses of two years each, the basic being conducted during the freshman and sophomore years and the advanced during the junior and senior years. The ultimate objective of the program is to commission qualified students in the Air Force Reserve upon their graduation from Amherst.

The first year basic course consists of background subjects necessary for basic Officer Training, Leadership, Drill, and Exercise of Command for a total of 90 hours. This phase is presented throughout the academic year and averages two contact hours per week. The drill requirement is met through student participation for two hours per week in the first eight weeks of the first semester and the last eight weeks of the second semester. (No drill will be conducted during the winter months.)

The second year basic course consists of Technical Air Force matters relevant to junior officer development, and Leadership, Drill, and Exercise of Command for a total of 90 hours. The drill requirement is met in the same manner as for the first year basic, above, and the other subjects are conducted through two regularly scheduled contact hours per week throughout the academic year.

The College allows two credits per semester for students participating in the basic courses.

With the advanced course comes another selection period when students who have completed the four semesters of basic ROTC are chosen to continue their Air Force education. Selections are made from applications of qualified students; final approval of the PAS (Professor of Air Science) and the Dean of the College is necessary before the applicant is finally enrolled.

The advanced course involves 150 hours per academic year which includes more advanced and specialized subjects, and a continuation of Leadership, Drill, and Exercise of Command with cadets holding higher positions of responsibility in the Amherst Corps of Cadets.

The College allows three credits per semester for students participating in the advanced courses.

All students formally enrolled in the advanced course must attend a six-

weeks summer camp between their junior and senior years. The summer camp offers a realistic approach to the Air Force and gives the cadet a practical idea of what future active duty may entail.

Upon graduation from Amherst and completion of the four-year AF ROTC course including summer camp, the student who intends to fly is commissioned as a second lieutenant in the USAF Reserve. Active duty after being commissioned will depend upon the condition of world affairs at that time.

*N.B.:* Enrollment in either the basic or advanced courses is by individual application to the PAS, Amherst College, Amherst, Massachusetts. Freshmen will normally be contacted by mail during the spring or summer preceding their first year at Amherst.

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## II

### *Courses of Instruction*

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# Courses of Instruction

1954-1955

a. Freshman courses are numbered 1-20; sophomore courses 21-40; and junior and senior courses 41-80.

b. In general, odd-numbered courses are given in the first semester, and even-numbered courses in the second semester; the letter "S" after a number indicates that the number of the course is an exception to the usual numbering system.

c. Honors courses are offered to eligible juniors and seniors and are numbered 69, 70 and 79, 80 respectively. Election of these courses may be made only by candidates for a degree with honors unless exception is made by the department concerned and by the Dean.

## *Air Science*

Lt. Colonel HEBER, Major POOLE, Captain GALT, Captain HARMAN,  
M.Sgt. KULAS, M.Sgt. WOZNIAK, T.Sgt. GRAHAM, S.Sgt. RICHARDSON

### AIR SCIENCE IA

2 credit hrs.

Introduction to AFROTC, Introduction to Aviation and Fundamentals of Global Geography. Two class hours per week. *Elective for Freshman. First Semester.*

Drill—Basic Military Training, including wearing the uniform, Military Courtesy and bearing, element drill, flight and squadron drill and mass formations. Two hours per week for the first eight weeks of the first semester. *Required of all AS I enrollees. First Semester.*

### AIR SCIENCE IB

2 credit hrs.

International Tensions and Security Organizations and Instruments of National Military Security. Continuation of drill. Same class hour requirements as first semester with two hours of drill per week for the last eight weeks of the second semester. AS IA, *Required of all AS I enrollees. Second Semester.*

### AIR SCIENCE IIA

2 credit hrs.

Elements of Aerial Warfare, including targets, weapons and delivery aircraft. Two class hours per week. Required of all sophomore AFROTC enrollees who have completed AS I.

Leadership Laboratory; Cadet Non-Commissioned Officer Training with students assuming positions of higher leadership in the cadet organi-

zation. Two hours per week for the first eight weeks of the first semester. *Required of all AS II enrollees. First Semester.*

#### AIR SCIENCE IIB

2 credit hrs.

Elements of Aerial Warfare including bases and forces, and careers in the United States Air Force. Continuation of leadership laboratory. Same class hour requirements as first semester with two hours of leadership laboratory for the last eight weeks of the second semester. *Required of all AS II enrollees. Second Semester.*

#### AIR SCIENCE IIIA

3 credit hrs.

Introduction to Advanced AFROTC, The Air Force Commander and Staff, Problem Solving Techniques, The Communications Process and Air Force Correspondence and Military Law, Courts and Boards. Four class hours per week. Requisite: Complete AS I and AS II courses or equivalent credit (veterans and military school graduates). *Taken only by accepted applicants for Advanced AFROTC.*

Leadership Laboratory; Cadet Officer Training with students assuming top non-commissioned officer positions in the cadet organization. Duties assumed by students involving planning and supervision of corps activities. Two hours per week for the first eight weeks of the first semester. *Required of all AS III enrollees. First Semester.*

#### AIR SCIENCE IIIB

3 credit hrs.

Applied Air Science including: Aerodynamics and Propulsion, Navigation, Weather; and Airforce Base Functions. Same class hour requirements as first semester. Continuation of Leadership Laboratory taken two hours per week for the last eight weeks of the second semester. Requisite: Air Science IIIA. *Required of all Advanced Courses enrollees in AS III. Second Semester.*

#### AFROTC SUMMER ENCAMPMENT

No credit

Taken in the summer following the junior year at an active Air Force base and normally involves a six weeks period. Program includes: Individual Weapons, Familiarization Flying, Field Exercises, USAF Base Activities and Equipment. Air Base Problems, Physical Training and Drill. *Must be completed by all advanced course students subsequent to junior AS III year.*

#### AS IVA

3 credit hrs.

Critique of Summer Camp and Introduction to AS IV; Leadership Seminar; Career Guidance; Military Aspects of World Political Geog-

raphy I; with students holding highest officer positions in Leadership Laboratory conducted two hours per week for the first eight weeks of the first semester. Requisite: AS III and Summer Camp. *Required of all Advanced Course Enrollees in AS IV. First Semester.*

#### AS IVB

*3 credit hrs.*

Military Aspects of World Political Geography II; Military Aviation and Art of War; Briefing for Commissioned Service; with a continuation of Leadership Laboratory two hours per week for the last eight weeks of the second semester. Requisite: AS IVA. *Required of all Advanced Course Enrollees in AS IV. Second Semester.*

### *American Studies*

Professors AARON (Visiting), KENNEDY, LATHAM, C. MORGAN, ROZWENC,\* TAYLOR, WARNE, and ZIEGLER; Messrs. FENNO, GARFINKLE, T. GREENE, JENSEN and KNUTSON

*Note:* For a major in American Studies: (a) At least two semester courses must be taken from American Studies 43, 44, 45, 47, and at least two semester courses from American Studies 25, 27, 48, 53, 54, 59, 60, 61, 62, 66. (b) American Studies 79 is recommended for all majors who are doing average work or better. (c) Eight semester courses are required for the major, not including American Studies 21, 22. All of these courses may be taken from those listed in (a) and (b) above, but in special cases other courses may be counted toward the major, if approved by the Department.

Honors candidates will conform to the requirements for a major indicated above and are required to include among the eight courses counting toward their major, American Studies 79 and 80. In conjunction with American Studies 80, each candidate will write an original essay on a topic which has been approved by the Department. Early in May of his senior year he will take a comprehensive written and oral examination, the nature of which will be determined by his fields of special concentration.

21, 22. PROBLEMS IN AMERICAN CIVILIZATION. Professors KENNEDY, TAYLOR, WARNE, and ZIEGLER; Messrs. FENNO, GARFINKLE, GREENE, JENSEN and KNUTSON.

A study of selected problems in American civilization. This course does not provide a survey of American history, but centers attention on a limited number of topics which are treated from various viewpoints, including the political, economic, and cultural. Five lectures and one two-hour labo-

\* Absent on leave 1954-55.

ratory period every two weeks. *Required for Sophomores. First and second semesters.*

25. AMERICAN CONSTITUTIONAL DEVELOPMENT.

4 credit hrs.

Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Four hours of classroom work per week. (Same course as Political Science 25.) *Elective for Sophomores. First semester.*

27. POLITICAL PARTIES. MR. FENNO.

4 credit hrs.

The role of the people, parties and pressure groups in the politics of American democracy. Special attention to: the basic features of American political parties, with European comparisons and contrasts; the work of politicians, bosses and machines; the running of election campaigns; the character and behavior of the electorate; the competition for power among business, labor, agriculture, and other major organized interests in the community. Alternates with Political Science 71. (Same course as Political Science 27.) Three hours of classroom work per week plus participation and further work in political campaigns. *Elective for Sophomores. First semester.*

43. AMERICAN LITERATURE. PROFESSOR AARON.

3 credit hrs.

A survey of American Literature from the seventeenth century to 1900 with emphasis on major figures. Three hours of classroom work per week. (Same course as English 43.) *Elective for Juniors. First semester.*

44. AMERICAN LITERATURE. PROFESSOR AARON.

3 credit hrs.

A continuation of English 43. Three hours of classroom work per week. (Same course as English 44.) *Elective for Juniors. Second semester.*

45. AMERICAN ART. PROFESSOR C. MORGAN.

3 credit hrs.

American architecture, sculpture, and painting in America from the 17th century to the present day. Requisite: Fine Arts 21. (Same course as Fine Arts 45.) Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1954-55.)*

- 47S. AMERICAN PHILOSOPHY. PROFESSOR KENNEDY. *3 credit hrs.*

A study of the modern period in American thought. Reading and discussion of works by Peirce, Royce, James, Santayana, Veblen, and Dewey. Three class hours per week. (Same course as Philosophy 47S.) *Elective for Juniors. Second semester.*

- 48S. AMERICAN ECONOMIC HISTORY. PROFESSOR TAYLOR and  
MR. GARFINKLE. *4 credit hrs.*

A study of the economic history of the United States with chief emphasis on the period before 1900. One two-hour seminar each week. (Same course as Economic 48S.) Prerequisite: Economics 21. Preference will be given to students who have had History 53-54 or History 59-60. *Limited to fifteen students. Elective for Juniors. First semester.*

53. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.  
PROFESSOR ROZWENG. *4 credit hrs.*

(Same course as History 53.) Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1954-55.)*

54. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.  
MR. GREENE. *4 credit hrs.*

(Same course as History 54.) Four hours of classroom work per week. *Elective for Juniors. Second semester.*

55. AMERICAN POLITICAL THEORY. MR. FENNO. *3 credit hrs.*

(Same course as Political Science 55.) *Elective for Juniors with the consent of the instructor. First semester. (Omitted 1954-55.)*

59. AMERICAN POLITICAL HISTORY. PROFESSOR ROZWENG. *4 credit hrs.*

(Same course as History 59.) Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1954-55.)*

60. AMERICAN POLITICAL HISTORY. PROFESSOR ROZWENG. *4 credit hrs.*

(Same course as History 60.) *Elective for Juniors. Second semester. (Omitted 1954-55.)*

61. FOUNDATIONS OF AMERICAN CIVILIZATION. MR. GREENE. *4 credit hrs.*

(Same course as History 61.) *Elective for Juniors. First semester.*

62. AMERICAN DIPLOMATIC HISTORY. MR. GREENE. *3 credit hrs.*

(Same course as History 62.) *Elective for Juniors. Second semester. (Omitted 1954-55.)*

66. WESTWARD EXPANSION OF AMERICA. MR. GARFINKLE. *3 credit hrs.*

(Same course as History 66.) *Elective for Juniors. Second semester.*

## 79. SEMINAR IN AMERICAN CIVILIZATION.

6 credit hrs.

Messrs. T. GREENE and GARFINKLE.

A study of selected topics in American civilization. One two-hour session weekly. Limited to fifteen students. *Elective for Seniors with the consent of the instructor. First semester.*

## 80. HONORS.

6 credit hrs.

*Elective for Seniors. Second semester.*

## Astronomy

Professor GREEN; Assistant Professor LINNELL

*Note:* A major in astronomy will consist of Astronomy 22, 23, 24, Physics 22, Mathematics 3, Science 42, and two other courses from Division III approved by the Department of Astronomy. Combined majors in astronomy and mathematics, or astronomy and physics may be arranged in consultation with the departments concerned.

Candidates for honors in astronomy must present the following courses: Astronomy 22, 42, 79, 80, Physics 22, 51, 52, and Mathematics 23.

## 22. INTRODUCTION TO DESCRIPTIVE AND PHYSICAL ASTRONOMY. 4 credit hrs.

Professor LINNELL.

Physical characteristics and distributions in space of members of the solar system, stars, nebulae, and galactic systems. *Elective for Sophomores.* Four hours of classroom work per week. *Second semester.*

## 23. INTRODUCTION TO AIR AND SEA NAVIGATION.

4 credit hrs.

Professor GREEN

Four hours of classroom work per week. *Elective for Sophomores. First semester.*

## 24. NAUTICAL ASTRONOMY, CELESTIAL AND ELECTRONIC NAVIGATION.

Professor GREEN

4 credit hrs.

Requisite: Astronomy 23, or consent of the instructor. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

## 42. ASTROPHYSICS. Professor LINNELL.

3 credit hrs.

Application of the laws of physics to stars and interstellar space. Specific topics covered will vary from year to year. In general, these will include a selection from the theory of stellar interiors, stellar atmospheres, forma-

tion and evolution of stars, and the analysis of stellar spectra. Three hours of classroom work per week.

Requisites: Physics 22 and Math 23. Additional physics courses, though not required, will be found helpful. *Second semester in alternate years. (Omitted in 1954-55.)*

79-80. CONFERENCE COURSES.

4 credit hrs.

Professor GREEN and Professor LINNELL.

The subject matter to be covered in these courses will be arranged to suit the needs of the individual students. Students planning to elect these courses should consult with the Department before the end of the first semester of the junior year. *Elective for Seniors. First and second semester.*

## Biology

Professors KIDDER, PLOUGH, SCHOTTÉ and WOOD; Assistant Professor YOST; Messrs. ELLIS and HEXTER

*Note:* A major in biology will consist of at least 24 semester hours in biology together with any 8 semester hours in chemistry. Under certain conditions these specific requirements may be modified with the approval of the department. The course in Evolution of the Earth and Man (Science 23, 24) counts as 4 semester hours, and Science 22 counts as 4 semester hours of biology toward a major. Biology 59 is not counted toward the major.

A chemistry-biology major requires 16 semester hours in each of the departments and must include Chemistry 43-44. Science 21 and Science 22 may be counted as 4 semester hours in chemistry and biology respectively, and Science 23, 24 counts as 4 semester hours in biology.

A psychology-biology major requires at least 16 semester hours in each of the departments. Science 23-24 (one semester credit in biology) and Science 22 may be counted as 4 semester hours each in biology toward this major.

Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

Candidates for the degree with honors in biology must have completed by the beginning of the senior year a minimum of 16 semester hours in biology; sophomore courses may be counted and the course in Evolution of the Earth and Man (Science 23-24) counts as 4 semester hours in biology. Honors candidates must elect Biology 79, 80 and complete by the end of senior year a minimum of 32 semester hours in biology

The work for honors in biology consists of two main activities: (a) participation in a general and in a specialized seminar course in which the candidate reports on papers from current scientific periodicals; (b) an original investigation under the direction of some member of the staff.

In May of his senior year the candidate writes a comprehensive examination on the whole field of biology. He also writes a thesis presenting the results of his research and defends his findings orally before the whole Department.

Recommendations for the various grades of honors will be made on the basis of the comprehensive examination, the value of the original investigation and its defense.

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22. Same Course as Science 22. 4 credit hrs.

23, 24. Same Course as Science 23, 24. 4 credit hrs.

25. GENERAL ZOOLOGY. Mr. ELLIS. 4 credit hrs.

Morphology, classification and general physiology of animals, chiefly invertebrates. Special consideration is given to such general phenomena as interrelation of animals with their environment, parasitism, reproduction, development and evolution. Three hours classroom and four hours laboratory or field work per week. *Elective for Sophomores. First semester.*

28. GENERAL BOTANY. Professor YOST. 4 credit hrs.

The structure, physiology and reproduction of plants. Botanical history, ecological adaption. Three hours classroom and four hours laboratory work or field work per week. *Elective for Sophomores. Second semester.*

41. COMPARATIVE ANATOMY. Professor WOOD. 4 credit hrs.

A study of the anatomy of vertebrates and a review of vertebrate evolution. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

42. EMBRYOLOGY. Professor SCHOTTÉ. 4 credit hrs.

A description of developmental processes in the vertebrates, with an introduction to the physiology of development. Four hours classroom and two hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. Second semester.*

43. GENETICS. Mr. HEXTER. 4 credit hrs.

The general principles and techniques of heredity, and their bearings on reproduction and the determination of sex. Breeding experiments in the laboratory. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

## 45. CYTOLOGY AND HISTOLOGY. Professors SCHOTTÉ and YOST. 4 credit hrs.

A detailed study of modern aspects of finer structures of the cell with special reference to both the cytoplasmic and nuclear mechanisms of reproduction. The second part of the course centers around cellular differentiation and organization into tissues and organs (general histology). The laboratory exercises deal with cytological methods and fundamental histological techniques. Four hours of lectures and one laboratory session a week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

## 46. HUMAN GENETICS. MR. HEXTER. 4 credit hrs.

A survey of heredity in man with special emphasis on the methods of human genetics. The application of these findings to problems of sex-determination, eugenics, the role of environment, and the significance of race will be discussed from the point of view of both the individual and the population. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. Second semester.*

## 47. EXPERIMENTAL MORPHOLOGY. PROFESSOR SCHOTTÉ. 4 credit hrs.

An experimental analysis of the problems of differentiation of form and structure, including the physiology of embryonic development and studies on regeneration. Three hours classroom and four hours laboratory per week. Requisite: One semester in Biology. *Elective for Juniors. First semester. (Alternate years with Biology 45. Omitted 1954-55.)*

## 51. BIOCHEMISTRY. PROFESSOR KIDDER. 4 credit hrs.

A study of the fundamental chemical processes of living matter. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology and organic chemistry (which may be taken concurrently). *Elective for Juniors. First semester.*

## 52. CELLULAR PHYSIOLOGY. PROFESSOR YOST. 4 credit hrs.

A study of cellular function in relation to structure, with special emphasis on membranes and enzymes. Three hours classroom and four hours laboratory work per week. *Elective for Juniors. First semester. (Alternate year with Biology 45. Omitted 1954-55.)*

## 54. BACTERIOLOGY. PROFESSOR PLOUGH. 4 credit hrs.

A study of the bacteria, yeasts and molds, their physiological activities and genetic relationships. Three hours classroom and four hours laboratory work per week. Requisite: Two semesters in biology and one course in chemistry. *Elective for Juniors. Second semester.*

56. EVOLUTION OF THE VERTEBRATES. PROFESSOR WOOD. *4 credit hrs.*

The evolution of the vertebrates as shown by the study of fossils; and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Geology 56.) Requisite: Biology 41. *Elective for Juniors. Second semester.*

59. RECENT DEVELOPMENTS IN BIOLOGY. The Staff. *2 credit hrs.*

Lectures on important trends and achievements in any of the major fields in biology. The subjects vary from year to year. They are chosen because of their general interest or because of their interrelations with other fields of study. Two lectures per week without laboratory work. No requisite. (Not counted toward the major in Biology.) *Elective for Juniors. First semester.*

71. BIOLOGY OF VIRUSES. PROFESSOR PLOUGH. *3 credit hrs.*

A seminar review of some recent studies of viruses with special reference to the mode of virus multiplication. Laboratory studies of bacterial viruses or bacteriophage. Requisite: Two semester courses in biology. *Elective for Seniors with the consent of the instructor. First semester.*

79, 80. SEMINAR IN BIOLOGY. The Staff. *6 credit hrs.*

The classwork consists of oral summaries and reports on problems of current biological interest. In addition, each student will carry on an individual investigation under some member of the staff. The course is designed for honor candidates, but is open to other advanced students with the consent of the Department. Requisite: Four semester courses in biology. *Elective for Seniors. First and second semesters.*

## Chemistry

PROFESSORS BEEBE, CANNON (visiting), GRAHAME and WHITNEY; MESSRS. AMBERG and ROBISON.

*Note:* A major in chemistry must include Chemistry 41, 42, 43, 44, 47, and 48.

A chemistry-biology major requires sixteen semester hours in each of the two departments, and must include Chemistry 43-44. Science 21 and Science 22 may be counted as semester courses in chemistry and biology respectively.

Candidates for the degree with honors in chemistry will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. At this seminar, discussions of topics of current interest will be conducted by staff members and by students.

In the senior year candidates will normally enroll in Chemistry 71 or 73, and in Chemistry 80. Individual laboratory problems will be selected

by the student in conference with some member of the Department. These may be advanced types of inorganic or organic syntheses, physico-chemical experiments or analyses, or problems for original investigation. Each candidate will write a thesis based upon his laboratory work. He will take six hours of written examinations and a one-week open-book problem examination. Recommendations for the various degrees of honors will be made by the department on the basis of the thesis work and the comprehensive examination.

The program for the bachelor's degree with a major in chemistry, as approved by the American Chemical Society, includes Chemistry 48, 50, 71 or 73, 80, and their prerequisites, a reading knowledge of German, one or two semesters of physics beyond the Science 1-2 course, Mathematics 3 and preferably Mathematics 23 or 31-32.

21. Same Course as Science 21. 4 credit hrs.

Professors BEEBE, CANNON, GRAHAME and WHITNEY; Mr. ROBISON

24. INORGANIC AND ANALYTICAL CHEMISTRY. 4 credit hrs.

Professor BEEBE and Mr. AMBERG.

A study of the chemistry of inorganic substances with special emphasis on ionic equilibria as met in qualitative analysis. Three hours classroom and four hours laboratory work per week. Requisite: Science 21. *Elective for Sophomores. Second semester.*

41. PHYSICAL CHEMISTRY. Professor GRAHAME. 4 credit hrs.

A study of the fundamentals of theoretical chemistry. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24, and Mathematics 3. *Elective for Juniors with the consent of the instructor. First semester.*

42. PHYSICAL CHEMISTRY. Professor GRAHAME. 4 credit hrs.

A continuation of Chemistry 41. Requisite: Chemistry 41. *Elective for Juniors. Second semester.*

43. ORGANIC CHEMISTRY. 4 credit hrs.

Professor WHITNEY and Mr. ROBISON.

General theory of organic chemistry, preparation of typical organic compounds, and introduction to organic qualitative analysis. The chemistry of the most important functional groups only is studied in this course. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24. *Elective for Juniors. First semester.*

44. ORGANIC CHEMISTRY. 4 credit hrs.

Professor WHITNEY and Mr. ROBISON.

A continuation of Chemistry 43. Requisite: Chemistry 43. *Elective for Juniors. Second semester.*

47. QUANTITATIVE ANALYSIS. MR. AMBERG. 2 credit hrs.

The quantitative analysis of inorganic substances with emphasis on volumetric methods. Principles of elementary physical chemistry will be considered and applied. One hour classroom and four hours laboratory work per week. Requisite: Chemistry 24. *Elective for Juniors. First semester.*

48. QUANTITATIVE ANALYSIS. MR. AMBERG. 2 credit hrs.

A continuation of Chemistry 47. Requisite: Chemistry 47. *Elective for Juniors. Second semester.*

50. QUANTITATIVE ANALYSIS. MR. ROBISON. 2 credit hrs.

The quantitative analysis of inorganic substances with emphasis on gravimetric methods. One hour classroom and four hours laboratory work per week. Requisite: Chemistry 47. *Elective for Juniors. Second semester.*

71. ADVANCED PHYSICAL CHEMISTRY. PROFESSOR GRAHAME. 3 credit hrs.

A discussion of selected topics in physical chemistry from the fields of thermodynamics, quantum mechanics, and the nature of the chemical bond. Three class hours per week. Requisite: Chemistry 42. *Elective for Seniors. First semester.*

73. QUALITATIVE ORGANIC CHEMISTRY. MR. ROBISON. 4 credit hrs.

A continuation of the study of organic chemistry, with emphasis on the laboratory identification and characterization of organic compounds. Two hours classroom and six hours laboratory work per week. Requisite: Chemistry 44. *Elective for Seniors, with the consent of the Instructor. First semester.*

80. HONORS COURSE. The Department. 6 credit hrs.

*Elective for honor candidates, and for others with the consent of the Department. Second semester.*

### Classics

Associate Professors KERN\* and MOORE;

Assistant Professor CLAUSEN; MR. PARRY

*Note:* All courses offered by the Department which are numbered 4 or higher, except Latin 25, may be used to satisfy the sophomore humanities requirement.

All courses offered by the Department may be counted toward a major except those numbered 1 and 2. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which

\* Absent on leave, second semester 1954-55.

may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that not less than two may be taken in either language.

Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 79 and 80 in either Greek or Latin. He must submit a long essay (6000-7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. Early in May he will be given a written examination covering: a) his honors work; b) his reading in the Classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice between various optional questions. The award of honors will be determined by the quality of the candidate's work in his courses, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

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The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

### *Greek*

1. INTRODUCTION TO THE GREEK LANGUAGE. 4 credit hrs.  
Mr. PARRY.  
Five class meetings per week. *Elective for Freshmen. First semester.*
2. INTRODUCTION TO GREEK LITERATURE. 4 credit hrs.  
Professor MOORE.  
Requisite: Greek 1 or its equivalent. Five class meetings per week. *Elective for Freshmen. Second semester.*
3. THE ILIAD. PROFESSOR MOORE. 4 credit hrs.  
Requisite: Greek 1 and 2 or their equivalent. Five class meetings per week. *Elective for Freshmen. First semester.*
4. THE ODYSSEY; THE LYRIC POETS. PROFESSOR CLAUSEN. 4 credit hrs.  
Requisite: Greek 3 or its equivalent. Three class meetings per week.

*Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

5. SELECTIONS FROM XENOPHON AND HERODOTUS. 4 credit hrs.  
Professor KERN.

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. First semester.*

6. GREEK TRAGEDY. Mr. PARRY. 4 credit hrs.

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

21. READINGS IN GREEK LITERATURE OF THE FIFTH CENTURY. 4 credit hrs.  
Professor MOORE.

Requisite: Greek 5 or 6. *Elective for Sophomores; quasi seminar course, limited to twenty-five students. First semester.*

22. READINGS IN GREEK LITERATURE OF THE FIFTH CENTURY. 4 credit hrs.  
Professor MOORE.

Requisite: Greek 5 or 6. Three class meetings per week. *Elective for Sophomores; quasi seminar course, limited to twenty-five students. Second semester.*

- 41, 42. ADVANCED READINGS IN GREEK LITERATURE. 4 credit hrs.  
Professor MOORE and Mr. PARRY.

The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Plato's Republic and Aristotle's Ethics; Pindar, Bacchylides, and Theocritus; Demosthenes and Thucydides; the Greek novelists. Requisite: Greek 6. *Seminar course; elective for Juniors. First and second semesters.*

- 79, 80. SENIOR HONORS COURSE. 6 credit hrs.

## Latin

- 1, 2. INTRODUCTORY COURSE. Professor KERN. 4 credit hrs.

Latin grammar; selections from Caesar's Gallic War; select orations of Cicero. Five class meetings per week. *Elective for Freshmen. First and second semesters. (Omitted 1954-55.)*

3. INTERMEDIATE COURSE. Professor KERN. 4 credit hrs.

Review of Latin grammar; selections from *Viri Romae* and Cicero's Orationes. Requisite: Latin 1-2, or two or three entrance units in Latin. Five class meetings per week. *Elective for Freshmen. First semester.*

4. THE AENEID. PROFESSOR MOORE. 4 credit hrs.

Requisite: Latin 3, or three entrance units in Latin. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

5. CICERO'S DE SENECTUTE; SELECTIONS FROM CATULLUS AND FROM HORACE'S ODES. 4 credit hrs.  
PROFESSOR KERN.

Requisite: Latin 4, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. First semester.*

6. HORACE'S ODES; SELECTIONS FROM OVID AND FROM PLINY'S LETTERS. 4 credit hrs.  
PROFESSOR CLAUSEN.

Requisite: Latin 4 or 5, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

21. PLAUTUS. PROFESSOR KERN. 3 credit hrs.

Requisite: Latin 5 or 6. Three class meetings per week. *Elective for Sophomores. First semester.*

22. THE ROMAN HISTORIANS. MR. PARRY. 3 credit hrs.

Requisite: Latin 5, 6, or 21. Three class meetings per week. *Elective for Sophomores. Second semester.*

25. LATIN POETRY: LYRIC AND PASTORAL. 2 credit hrs.  
PROFESSORS CLAUSEN and MOORE.

Intended for students of literature who wish to acquire some knowledge of the tradition of Latin poetry. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. *Elective for Sophomores with permission of the instructor. First semester.*

- 41, 42. ADVANCED READINGS IN LATIN LITERATURE. 4 credit hrs.  
PROFESSOR CLAUSEN.

The authors read in these courses vary from year to year, each course giving a survey of one field of Latin literature; e.g., Roman Satire, Roman Philosophy, Roman Law, Late Latin, Roman Tragedy, etc. Requisite: Latin 21 or 22. Three class meetings per week. *Elective for Juniors; seminar course. First and second semesters.*

- 79, 80. SENIOR HONORS COURSE. 6 credit hrs.

## *Cryptography*

PROFESSOR HOLMES

- 22S. ELEMENTARY CRYPTOGRAPHY AND CRYPTANALYSIS. 3 credit hrs.  
 PROFESSOR HOLMES.

A study of the logical and philological principles involved in the construction and analysis of ciphers and codes. Military uses emphasized. Three class meetings per week. *Elective for Sophomores, with preference given to Junior and Seniors. First semester.*

22. ELEMENTARY CRYPTOGRAPHY AND CRYPTANALYSIS. 3 credit hrs.  
 PROFESSOR HOLMES.

Same description as Cryptography 22S. Three class meetings per week. *Elective for Sophomores, with preference given to Juniors and Seniors. Second semester.*

## *Dramatic Arts*

ASSOCIATE PROFESSORS MCGOUN\*, PETTET and ROGERS;  
 MESSRS. PSACHAROPOULOS and WHITNEY†

*Note. Majors:* It should be noted that students must have the permission of the Department to major in Dramatic Arts.

*Required courses:* Humanities 21, 22 (or English 21, 22); Dramatic Arts 43, 44, 45, 46, 48, 79, 80.

Courses in other departments recommended for major students: English 23, 24, 25, 26, 41; Fine Arts 23, 24, 41; French 18, 29, 43, 44; Music 46; Psychology 21.

*Honors:* Areas of concentration for a degree with honors in Dramatic Arts are Theater History, Directing, Playwriting, and Dramatic criticism. The nature of the work varies with the area chosen.

21. Same Course as Humanities 21. 4 credit hrs.

Prerequisite for all other courses in the Department of Dramatic Arts (English 21 may be substituted).

22. Same Course as Humanities 22. 4 credit hrs.

43. DRAMATIC PRODUCTION, A STUDY OF THE ARTS OF THE STAGE.  
 PROFESSORS PETTET, ROGERS, and MCGOUN. 3 credit hrs.

The artistic principles and scientific methods underlying stage produc-

\* Absent on leave, second semester 1954-55.

† Present for second semester 1954-55.

tion. Directing, aesthetics, scene design, lighting, and costuming considered as instruments of dramatic interpretation. Both Dramatic Arts 43 and 44 must be completed to secure credit for Dramatic Arts 43. Requisite: Humanities 21. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. **DRAMATIC PRODUCTION, A STUDY OF THE ARTS OF THE STAGE.**

Professors PETTET, ROGERS, and MCGOUN. *3 credit hrs.*

A continuation of Dramatic Arts 43. Requisite: Dramatic Arts 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. **THEATER HISTORY.** Professor MCGOUN. *2 credit hrs.*

A survey of the physical aspects of theatrical production from the Fifth Century B.C. to modern times. Two hours of classroom work per week. Requisite: Humanities 22. *Elective for Juniors. First semester.*

46. **MODERN DRAMA.** Professor PETTET. *3 credit hrs.*

Major dramatists from Ibsen to the present. Intensive reading. Requisite: Humanities 21. Three hours of classroom work per week. *Elective for Juniors. Second semester in alternate years. (Omitted 1954-55.)*

48. **BACKGROUNDS OF MODERN DRAMA.** Professor PETTET. *3 credit hrs.*

The origins and development of the drama from Aeschylus to Ibsen. Some material on the relationship between the plays and the manner of presentation. Three hours of classroom work per week. Requisite: Humanities 21. *Elective for Juniors. Second semester in alternate years.*

79. **CONFERENCE COURSE.** The Department. *4 credit hrs.*

*Elective for Seniors with the consent of the Department. First semester.*

80. **CONFERENCE COURSE.** The Department. *4 credit hrs.*

A continuation of Dramatic Arts 79. *Elective for Seniors. Second semester.*

## *Economics*

Professors NELSON, ROSS, TAYLOR, THORP, and WARNE;  
Messrs. COLLERY, GARFINKLE, JENSEN, JUSTER and KNUTSON

*Note:* The following courses are required for a major in Economics for the Class of 1955:

Rite Students: Economics 21, 71 and two of the following: 23, 41 or 42, 43.

Honors Students: Economics 21, 70, 79, 80 and two of the following: 23, 41 or 42, 43.

Beginning with the Class of 1956:

The following courses are required for a major in Economics:

Rite Students: Economics 21, 71.

Honors Students: Economics 21, 70, 79, 80.

Candidates for the degree with honors in economics will determine their class programs in consultation with the Department. Each candidate must attend the honors seminars conducted as a part of Economics 79-80 and prepare a thesis on a subject approved by the Department. Each candidate for honors will take an oral and written examination at the close of his senior year. The written examination will cover the major fields of economics in which the candidate has taken work. The oral examination will be a defense of the thesis before the Department.

18. INTRODUCTION TO THE ANALYSIS OF ECONOMIC PROBLEMS. *1 credit hr.*  
Professor TAYLOR.

A course designed to acquaint the student with the major approaches of economists to questions of economic policy and analysis. Primarily offered for those who do not plan to major in economics, this course is open only to those students who have not enrolled in Economics 21.

*Elective for freshmen. Second semester.*

21. AN INTRODUCTION TO ECONOMICS. *4 credit hrs.*

Professor NELSON and Messrs. COLLERY, JENSEN and KNUTSON.

A study of the central functions and problems of an economic system, of the principles and practices of our own economy, and of other forms of economic organizations and control. One lecture and three hours of discussion each week. Prerequisite or corequisite for all other courses in economics, except Economics 18. *Elective for Sophomores. First semester.*

- 21S. AN INTRODUCTION TO ECONOMICS. *4 credit hrs.*

Messrs. JENSEN, JUSTER and KNUTSON.

Same description as above. *Elective for Freshmen. Second semester.*

- 23S. THE AMERICAN ECONOMY. *4 credit hrs.*

Professor Nelson.

An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion each week. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

25. NATIONAL INCOME AND WEALTH. *4 credit hrs.*

Mr. JUSTER.

An examination of the factors that influence the level of national income

and employment; the determinants of international differences in income and wealth. Special emphasis will be placed on the role of public policies as they affect the magnitude and composition of the national income. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. First semester.*

41. COMPARATIVE ECONOMIC SYSTEMS. PROFESSOR WARNE. 4 credit hrs.

A study and comparison of the principal types of economic systems with special emphasis upon the position of labor in each. Prerequisite or corequisite: Economics 21. Four lectures each week. *Elective for Sophomores. First semester.*

42. LABOR ECONOMICS. PROFESSOR WARNE. 4 credit hrs.

A survey of the position of labor in our modern economy and of the development and status of labor legislation and social security measures. Three lectures and one hour of discussion each week. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

43. MONEY AND BANKING, MR. COLLERY. 4 credit hrs.

A study of money and finance and their relation to the functioning of an economic system, with special emphasis on the effects of monetary and credit policy on employment, production, and prices. Two lectures and two hours of discussion each week. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. Second Semester.*

45. ECONOMIC STATISTICS. PROFESSOR ROSS. 4 credit hrs.

A study of the sources of quantitative economic data, with special emphasis on the application of statistical methods to economic problems. Three lectures and two hours laboratory work each week. Prerequisite: Economics 21. *Elective for Junior; limited to twenty-five students. First semester.*

46. ACCOUNTING. PROFESSOR ROSS. 4 credit hrs.

A study of the principles of accounting as related to economic analysis. Attention will be given to the use of accounts by persons and corporations and the application of accounting techniques to the study of national wealth and income. Four hours of classroom work per week. Prerequisite: Economics 21. *Elective for Junior; limited to twenty-five students. Second semester.*

48S. AMERICAN ECONOMIC HISTORY. 4 credit hrs.

Professor TAYLOR and MR. GARFINKLE.

A study of the economic history of the United States with chief emphasis on the period before 1900. One two-hour seminar each week. Prerequisite: Economics 21. Preference will be given to students who have had History 53-54 or History 59-60. *Elective for Juniors; limited to fifteen students. First semester.*

- 49S. HISTORY OF ECONOMIC THOUGHT. PROFESSOR TAYLOR. *4 credit hrs.*

A study of the development of economic thought as reflected in the writings of a limited number of authors, chiefly British and American. Attention will be given to both the classical and the dissenting schools. The writings of such men as Smith, Ricardo, J. S. Mill, Jevons, Marshall, Raymond, Henry C. Carey, J. B. Clark, and Veblen will be studied. One two-hour seminar each week. Prerequisite: Economics 21. *Elective for Juniors; limited to fifteen students. Second semester. (Omitted 1954-55.)*

53. INTERNATIONAL ECONOMIC POLICY. PROFESSOR THORP. *3 credit hrs.*

An examination into the nature of commercial, monetary, investment, and other economic problems which appear when public or private interest extends across national boundary lines, and the principles and pressures which affect their solution, with particular reference to recent American experience. Three hours of classroom work per week. Prerequisite: Economics 21. *Elective for Juniors. First semester.*

70. JUNIOR HONORS. MESSRS. COLLERY and JUSTER. *4 credit hrs.*

A study of the more important analytical methods and conclusions of modern economics, with special reference to their application to economic research. Prerequisite: Economics 21. *Required of and limited to Junior Honors students. Second semester.*

71. PROBLEMS IN AMERICAN ECONOMIC POLICY *3 credit hrs.*

PROFESSOR NELSON and MR. JUSTER.

A study of the process of formulating and executing public economic policy in the United States, based upon an intensive examination of selected cases. Particular emphasis will be given to the interrelationships of economic, political, philosophical, and other factors that affect public policy determination. One two-hour seminar each week. Prerequisite or corequisite: Economics 21. *Limited to and required of all Seniors majoring in Economics who are not candidates for Honors. First semester.*

79. ECONOMICS HONORS. PROFESSOR THORP and the Department. *6 credit hrs. First semester.*

80. ECONOMICS HONORS. PROFESSOR TAYLOR and the Department. *6 credit hrs. Second semester.*

## *Education*

PROFESSOR G. KENNEDY; ASSISTANT PROFESSOR GROSE; MR. BIRNEY.

24. DEVELOPMENTAL PSYCHOLOGY. MR. BIRNEY. *3 credit hrs.*

A study of the development of the most important aspects of behavior

from birth to old age. The typical course of development and the factors which influence development are considered concurrently. Major emphasis is placed on problems of development in childhood and adolescence. Three class meetings per week. Requisite: Psychology 21. (Same course as Psychology 24.) *Elective for Sophomores. Second semester.*

41. PHILOSOPHY OF EDUCATION. Professor KENNEDY. *3 credit hrs.*

A comparative study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. (Same course as Philosophy 41. Given in alternate years.) Three hours of classroom work a week. *Elective for Juniors. First semester.*

42S. EDUCATIONAL PSYCHOLOGY. Professor GROSE. *3 credit hrs.*

A psychological analysis of the educational process. The course is designed both for the prospective teacher and those who have a general interest in the field of education. Three class meetings per week. Requisite: Psychology 21. (Same course as Psychology 42S.) *Elective for Juniors. First semester.*

44. PSYCHOLOGICAL TESTS AND MEASUREMENTS. *3 credit hrs.*  
Professor GROSE.

An introduction to the basic principles of psychological tests and measurements used in research and in various areas of applied psychology. Attention will be given to the construction, administration, and interpretation of representative group and individual tests of intelligence, personality, aptitude, and achievement. Two class meetings and one laboratory session per week. (Same course as Psychology 44.) Requisite: Psychology 21. *Elective for Juniors. Second semester.*

## *English*

Professors AARON (Visiting), BAIRD, HELMING (Visiting) and McKEON; Associate Professors CRAIG, BARBER \* and GIBSON; Assistant Professors CLAUSEN and DEMOTT; Messrs. BELLAMY, BISHOP, BUTLER, MOYNAHAN and SWIGGART.

*Note:* All English majors are required to elect English 21-22 and six other semester courses, exclusive of English 1-2, offered or approved by the English Department.

Candidates for honors in English are required to complete at least eight semester courses in English, exclusive of English 1-2, and including English 21-22, English 25-26, English 41 or 42, English 46, English 69-70, and English 79-80. Qualified candidates should in their junior year elect English 69-70, and in their senior year elect English 79-80.

\* Absent on leave 1954-55.

1. COMPOSITION. 2 credit hrs.  
 Professors BAIRD (Chairman), CLAUSEN, CRAIG, DEMOTT and GIBSON, and Messrs. BELLAMY, BISHOP, BUTLER, MOYNAHAN and SWIGGART.

Three hours of classroom work per week. *Required for Freshmen. First semester.*

2. COMPOSITION. 2 credit hrs.  
 Professors BAIRD (Chairman), CLAUSEN, CRAIG, DEMOTT and GIBSON, and Messrs. BELLAMY, BISHOP, BUTLER, MOYNAHAN and SWIGGART.

Two hours of classroom work per week. Requisite: English 1. *Required for Freshmen. Second semester.*

21. INTRODUCTION TO LITERATURE. 3 credit hrs.  
 Professors CRAIG (Chairman), DEMOTT and GIBSON; Messrs. BELLAMY, BISHOP, BUTLER, MOYNAHAN and SWIGGART.

The aim of this course is to teach critical reading of literature. The material read in any one year is limited to a small number of works of prose and poetry. Required for a major in English. Alternate course in Humanities Sequence. Three hours of classroom work a week. *Elective for Sophomores. First semester.*

22. INTRODUCTION TO LITERATURE. 3 credit hrs.  
 Professors CRAIG (Chairman), DEMOTT and GIBSON; Messrs. BELLAMY, BISHOP, BUTLER, MOYNAHAN and SWIGGART.

A continuation of English 21. Requisite: English 21. Three hours of classroom work a week. *Elective for Sophomores. Second semester.*

23. ADVANCED COMPOSITION. Professor GIBSON. 4 credit hrs.

A course in disciplined writing, both prose and verse. Students are expected to work independently without specific assignments. Class discussion of manuscripts and frequent conferences with the instructor. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. First semester.*

24. ADVANCED COMPOSITION. Professor GIBSON. 4 credit hrs.

A continuation of English 23. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. Second semester.*

25. SHAKESPEARE. Professor BAIRD. 3 credit hrs.

A reading of all the plays. Emphasis on Shakespeare's development as dramatist and poet. Requisite: A grade of "B" in a previous English course. Alternate course in Humanities Sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

26. SHAKESPEARE. Professor BAIRD. 3 credit hrs.

A continuation of English 25. Requisite: English 25. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

41. THE RENAISSANCE: THE SIXTEENTH CENTURY. 4 credit hrs.  
Professor DEMOTT.

A Study of Spenser and the major Elizabethan dramatists, and their relation to social and religious assumptions in popular and devotional literature. Three meetings per week. *Elective for Juniors; limited to twenty-five students. First semester.*

42. THE RENAISSANCE: THE SEVENTEENTH CENTURY. 4 credit hrs.  
Professor CRAIG.

A study of the poetry of Milton and of the Metaphysical Poets in relation to some religious and philosophic assumptions of the seventeenth-century writer. Three meetings per week. *Elective for Juniors; limited to twenty-five students. Second semester.*

43. AMERICAN LITERATURE. Professor AARON. 3 credit hrs.

A survey of American Literature from the seventeenth century to 1900 with emphasis on major figures. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. AMERICAN LITERATURE. Professor AARON. 3 credit hrs.

A continuation of English 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. THE NINETEENTH CENTURY ENGLISH NOVEL. 3 credit hrs.  
Professor CRAIG.

A study of representative works, with attention both to their literary structure and their relation to social history. Three hours of classroom work per week. *Elective for Juniors. First semester.*

46. CHAUCER. Professor HELMING. 3 credit hrs.

Chaucer's major works in the original. Three hours of classroom work per week. *Elective for Juniors, and for Sophomores who have a grade of "B" in English 1-2 and who plan to become candidates for the degree with honors in English. Second semester.*

47. READINGS IN NINETEENTH CENTURY POETRY. 3 credit hrs.  
Professor GIBSON.

Reading of Romantic and Victorian poetry. Principal poets to be read in 1954-55 will be Byron, Keats, Tennyson, and Arnold. *Elective for Juniors. First semester.*

## 52. JOYCE AND ELIOT. PROFESSOR BARBER.

4 credit hrs.

An introduction to some modern literary methods and related cultural issues by close reading of selections from the short stories and novels of James Joyce and the poems, plays and criticism of T. S. Eliot. Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1954-55.)*

## 54. LITERATURE AND SOCIETY, 1660-1740.

4 credit hrs.

Professor DEMOTT.

A study of the prose and poetry of the Restoration and the earlier eighteenth century. Principal authors to be read in 1954-55 will be Dryden, Swift, and Pope; some attention will be paid to lesser figures. Three hours of classroom work per week. Limited to 25 students. *Elective for Juniors. Second semester.*

## 56. READINGS IN EIGHTEENTH CENTURY LITERATURE.

3 credit hrs.

Professor BAIRD.

For 1953-54 the authors read were Boswell, Johnson, and Gibbon. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1954-55.)*

## 62. READINGS IN MODERN FICTION. PROFESSOR BAIRD.

3 credit hrs.

A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Three hours of classroom work per week. (Offered in alternate years with English 56.) *Elective for Juniors. Second semester.*

## 69-70. CONFERENCE COURSE. The Department.

4 credit hrs.

*Elective for Juniors.*

## 79-80. CONFERENCE COURSE. The Department.

6 credit hrs.

*Elective for Seniors.*

## Fine Arts

Professor C. MORGAN; Associate Professor ROGERS;

Messrs. DARR and MILLER.

*Note:* A major in fine arts consists of six semester courses in the department, including Fine Arts 21-22 and Fine Arts 23-24, and two semester courses in allied fields. Honors in fine arts will include the foregoing with the addition of Fine Arts 79-80. Fine Arts 21 is normally the prerequisite for all advanced courses in the historical aspect of the subject except for Fine Arts 41 and 42; and Fine Arts 23-24 is normally the prerequisite for all advanced courses in the technical aspect of the field.

21. Same course as Humanities 21. 4 credit hrs.

22. Same course as Humanities 22. 4 credit hrs.

23. ELEMENTARY TECHNIQUE AND DESIGN. PROFESSOR ROGERS. 3 credit hrs.

Design, composition and line and form drawing in pencil, charcoal, crayon, pen and ink, and chalk. One lecture and two two-hour laboratory periods per week. No previous training required. *Elective for Sophomores. First semester.*

24. ELEMENTARY TECHNIQUE AND DESIGN. PROFESSOR ROGERS. 3 credit hrs.

Elementary color theory and technique of water color painting. Requisite: Fine Arts 23 or its equivalent. One lecture and two two-hour laboratory periods per week. *Elective for Sophomores. Second semester.*

41. SURVEY OF THE HISTORY OF ART. 2 credit hrs.

Professor C. MORGAN.

The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Two hours of classroom work per week. *Elective for Juniors. First semester.*

42. FOUR GREEK SITES. PROFESSOR C. MORGAN. 3 credit hrs.

A study of Athens, Corinth, Delphi and Olympia with especial reference to their development and their contribution to the art and culture of classical civilization. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

43. EUROPEAN ART OF THE EIGHTEENTH AND NINETEENTH CENTURIES.

Mr. MILLER.

3 credit hrs.

Background of European art before the French Revolution and its development during the following one hundred years. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. STUDIES IN MODERN ART. Mr. DARR.

3 credit hrs.

A study of Rivera, Orozco, and other contemporary Mexican painters with particular consideration of the background which produced their art and their relationship to other modern movements. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. AMERICAN ART. PROFESSOR C. MORGAN.

3 credit hrs.

American architecture, sculpture and painting in America from the 17th century to the present day. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1954-55.)*

47. ADVANCED TECHNIQUE AND DESIGN. Mr. DARR. 3 credit hrs.

Intensive studio work in oil and watercolor aimed to increase the student's knowledge and control of materials and to focus his powers of communication. Occasional outside reading. Requisite: Fine Arts 23-24 or its equivalent. *Elective for Juniors. First semester.*

48. ADVANCED TECHNIQUE AND DESIGN. Mr. DARR. 3 credit hrs.

A continuation of Fine Arts 47. Requisite: Fine Arts 47. *Elective for Juniors. Second semester.*

- 49S. MICHELANGELO. Professor C. MORGAN. 1 credit hr.

A study of the artist, his works and his background. One lecture a week and reading. *Elective for Juniors. Second semester. (Omitted 1954-55.)*

50. RENAISSANCE ART. Mr. MILLER. 3 credit hrs.

A progressive and comparative study of European art, north and south, from the 15th through the 17th centuries, with an emphasis upon the greater names in the cycle. Requisite: Fine Arts 21. *Elective for Juniors. Second semester.*

51. SURVEY OF EUROPEAN ARCHITECTURE. Mr. MILLER. 3 credit hrs.

A study of the development of architectural styles from the Early Christian period to modern times in Europe. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1954-55.)*

52. MEDIAEVAL ART. Mr. MILLER. 3 credit hrs.

A study of characteristic monuments from the Romanesque and Gothic periods in European history. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1954-55.)*

53. DESIGN FUNDAMENTALS. Mr. DARR. 3 credit hrs.

A series of exercises in various materials to illuminate the nature of visual experience and the principles of its organization into meaningful expression. Six hours of studio work per week. *Elective for Juniors. First semester.*

- 79, 80. SPECIAL STUDIES FOR STUDENTS MAJORING IN FINE ARTS.

4 credit hrs.

## *French*

Professors ATKINSON, FRENCH, FUNNELL, and TURGEON; Mr. STOKES.

Assistants: Messrs. MAGNERON, NOEL, ROBART, ROOS AND STEEG.

*Note: Major with Honors.* The honors major consists primarily in a program of extensive reading in the major authors of the last four centuries,

and is intended also to provide a general knowledge of the development of French literature since the end of the Middle Ages. Candidates will normally take courses numbered 7 or 8, 10, 43, 44, 45, 46, 79, 80. All course elections must be made in consultation with a representative of the Department, and the course program may be adjusted in special cases. No thesis is required, but the work of courses 79 and 80 will include several written papers. At the end of the final semester each candidate will take two three-hour examinations, one consisting mainly of essay questions (to one of which the answer must be written in French), the other involving critical interpretation of text. Recommendations for the various grades of the degree with honors will be made on the basis of (1) the honors examinations, (2) the student's work in courses 79 and 80, (3) his general average in all his work in the Department.

*Major for students not candidates for the degree with honors.* The major must include thirty credit hours, not counting those of courses 1 and 3. Six of these credits may be in approved courses outside the Department.

*Combined major in two languages.* For a student whose primary language is French, the major must include twenty credit hours in French, not counting courses 1, 3, 5; in the second language it must include ten credit hours of which at least three must deal with literature.

*Requirements for Sophomores in Humanities.* The following courses are approved as satisfying the Humanities requirement in sophomore year: Any course or combination of courses giving four credit hours numbered above 5, except French 10, 21 and 22.

#### 1. ELEMENTARY COURSE.

4 credit hrs.

Professor TURGEON and Assistants

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

#### 3. INTERMEDIATE COURSE.

4 credit hrs.

Professor FRENCH and Mr. STOKES and Assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, three hours per week in small sections for drill in aural comprehension of the language. *Elective for Freshmen. First semester.*

#### 3S. INTERMEDIATE COURSE. Professor TURGEON and Assistants. 4 credit hrs.

Same description as above. *Elective for Freshmen. Second semester.*

#### 5. ADVANCED COURSE.

4 credit hrs.

Professor TURGEON and Mr. STOKES and Assistants

The purpose of this course is to complete the student's training in fluent

reading and in oral comprehension. Reading of significant fiction and plays from the modern period. Three hours per week in class and three hours per week in small sections for oral and aural drill. For those whose linguistic preparation is sufficient, there will be a special section in which more stress will be put on the reading as literature. Conducted as far as possible in French. *Elective for Freshmen. First semester.*

5S. ADVANCED COURSE. MR. STOKES and Assistants. 4 credit hrs.

Same description as above. *Elective for Freshmen. Second semester.*

7. INTRODUCTION TO FRENCH LITERATURE BEFORE THE REVOLUTION.  
Professor FUNNELL. 4 credit hrs.

Reading and discussion of selected texts. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

8. INTRODUCTION TO FRENCH LITERATURE SINCE THE REVOLUTION.  
Professor FUNNELL. 4 credit hrs.

Reading and discussion of selected texts. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. Second semester.*

10. ADVANCED COMPOSITION AND CONVERSATION. 4 credit hrs.  
Professor TURGEON and Assistants.

Practice in free composition and in set translation into French; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of French for further study or for teaching the language. Three hours per week of composition and two hours per week of conversation. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

17. READINGS IN THE FRENCH NOVEL. Professor ATKINSON. 3 credit hrs.

The reading will include at least one novel each by Balzac, Stendhal and Flaubert, with others, as time permits, chosen from the eighteenth and later nineteenth centuries. This course will be conducted partially in French. Requisite: satisfaction of the reading requirement. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

18. FRENCH DRAMA OF THE 18TH AND 19TH CENTURIES. 3 credit hrs.  
Professor ATKINSON.

The reading will include plays by Lesage, Marivaux and Beaumarchais, followed by a number of representative plays of the nineteenth century. This course will be conducted partially in French. Requisite: satisfaction of the reading requirement. Three hours of classroom work per week. *Elective for Freshmen. Second semester.*

21, 22. READING COURSE. MR. STOKES. 4 credit hrs.

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of French. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

25S. FRENCH LYRIC POETRY. PROFESSOR FUNNELL. 2 credit hrs.

Medieval lyrics; poems by François Villon, Ronsard, du Bellay and Chénier; the chief Romantic and Parnassian poets of the nineteenth century. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores. Second semester. (Omitted 1954-55.)*

27S. READINGS IN THE TWENTIETH CENTURY NOVEL. 3 credit hrs.  
MR. STOKES.

Readings from the novels of such authors as Colette, Romain, Mauriac, Malraux, Sartre and others, but excluding Gide and Proust. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. Second semester.*

29. FRENCH DRAMA SINCE 1890. PROFESSOR TURGEON. 3 credit hrs.

A survey of the principal trends in the modern theater with extensive readings from such authors as Rostand, Mirbeau, Brieux, Claudel, Pagnol, Romain, Giraudoux, Anouilh, and Sartre. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. First semester in alternate years. (Omitted 1954-55.)*

41. SPECIAL TOPICS IN FRENCH LITERATURE. 1-3 credit hrs.  
THE DEPARTMENT.

In this course a student will work individually with one member of the department on an approved subject. In general authors dealt with in other advanced courses in French will not be approved for work in this course. Some possible subjects are: medieval literature, Rabelais, Montaigne, Pascal, Diderot; others may be discussed. The amount of credit to be given for the work will be settled in advance in consultation between the student and the department. Requisite: French 7 or 8, and consultation with, and the approval of, the department. *Elective for Juniors. First semester.*

42. SPECIAL TOPICS IN FRENCH LITERATURE. 1-3 credit hrs.  
THE DEPARTMENT.

Description and requisites as for course 41. *Elective for Juniors. Second semester.*

43. FRENCH CLASSIC TRAGEDY—CORNEILLE AND RACINE. 4 credit hrs.  
PROFESSOR TURGEON.

A study will be made of the history of the French theater in the seven-

teenth century and of the development and theory of classic tragedy, with detailed analysis of the principal tragedies of Corneille and Racine. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester.*

44. FRENCH CLASSIC COMEDY—MOLIÈRE. PROFESSOR TURGEON. 4 credit hrs.

A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in LaFontaine and Boileau. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester.*

45. VOLTAIRE. PROFESSOR ATKINSON. 4 credit hrs.

Voltaire and some of his contemporaries of 1715–1750. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester in alternate years. (Omitted 1954–55.)*

46. ROUSSEAU. PROFESSOR ATKINSON. 4 credit hrs.

Rousseau and some of his contemporaries of 1750–1789. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester in alternate years. (Omitted 1954–55.)*

48. POETRY SINCE BAUDELAIRE. PROFESSOR FUNNELL. 2 credit hrs.

Baudelaire, the Symbolists, a few prominent poets of the twentieth century. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester.*

51. ANDRÉ GIDE. PROFESSOR FUNNELL. 1 credit hr.

Requisite: French 7 or 8. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester.*

53. MARCEL PROUST. PROFESSOR FUNNELL. 1 credit hr.

Requisite: French 7 or 8. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester. (Omitted 1954–55.)*

79. CONFERENCE COURSE FOR SENIORS. 4 credit hrs.  
*First semester.*

80. CONFERENCE COURSE FOR SENIORS. 4 credit hrs.  
*Second semester.*

## Geology

Professors BAIN\* and WOOD;  
Assistant Professor SAGE; Mr. BROPHY.

*Note:* A major in geology consists of three courses in related subjects approved by the Department and five courses in geology, including Geology 21-22, Geology 79 or 80, and one of the following to complete a sequence: Geology 44, 45, 46, 49, or 56. Science 21-22 or Science 23-24 are considered as courses in related subjects provided the work was completed with a grade of 80; the third related course will be in that field of biology, chemistry, mathematics or physics advantageous to satisfactory progress in Geology 79-80.

A student may declare his intention to major in geology at any time up to the end of his sixth semester. At that time he must arrange to complete a sequence that will enable him to present an original thesis based on work in conjunction with Geology 79-80.

Attention of students, intending to proceed to graduate school, is drawn to the requirement by many institutions that an applicant take the graduate record examination and that the candidate for an advanced degree have a reading knowledge of French and German. A thorough knowledge of Geology 21-22, 23-24 will afford coverage for 85% of the graduate record examination; the first three semesters should be completed with a grade of B before applying to take this test.

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### 21. PRINCIPLES OF GEOLOGY.

4 credit hrs.

Professors BAIN, SAGE, and Mr. BROPHY.

An introductory study of processes modifying the surface form and internal structure of the earth, the historical development of the science, and the historical evolution of land areas and life. Four hours classroom and two hours laboratory work per week. Laboratory will be held in the field when weather permits. Requisite for all courses in the department except Mineralogy. *Elective for Sophomores. First semester.*

### 22. HISTORICAL GEOLOGY. Professor SAGE.

4 credit hrs.

The history of the development of the continents, the succession of plants and animals, and the evolution of life during the geologic past. Four hours classroom and two hours laboratory work per week. Requisite: Geology 21. *Elective for Sophomores. Second semester.*

\* Absent on leave, second semester 1954-55.

## 23. MINERALOGY. MR. BROPHY.

4 credit hrs.

A study of recognition, formation, occurrence, and use of crystals and minerals, and an introduction to the nature of crystalline matter. Three hours classroom and four hours laboratory work per week. *Elective for Sophomores. First semester.*

## 24. PETROLOGY. MR. BROPHY.

4 credit hrs.

A study of the natural history of rocks and their identification. Three hours classroom and four hours laboratory work per week. Requisite: Geology 23. *Elective for Sophomores. Second semester.*

## 26. REGIONAL GEOLOGY AND GEOGRAPHY. PROFESSOR BAIN.

4 credit hrs.

A study of the development of the principal features in scenery, the rocks, the structure of the continents. The resources and the capacity to support a population are introduced as topics for individual investigation. Offered in alternate years. Four hours classroom and two hours laboratory work per week. Requisite: Geology 21 of Science 23-24 with a grade of B. *Elective for Juniors. Second semester. (Omitted 1954-55.)*

## 44. SEDIMENTOLOGY. PROFESSOR SAGE.

4 credit hrs.

A study of the features of modern sediments and the interpretation of sedimentary rocks. The occurrence of resources in stratified rocks, including fuels, fertilizers, and building materials. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22 and 23. *Elective for Juniors. Second semester.*

## 45. MINERAL DEPOSITS. PROFESSOR BAIN.

4 credit hrs.

A study of the origin and distribution of bodies that contain minerals essential to modern industrial life. Three classroom hours and four laboratory hours per week. Requisite: Geology 23, 24. *Elective for Juniors. First semester.*

## 46. WORLD RESOURCES. PROFESSOR BAIN.

4 credit hrs.

An investigation into supplies of materials from the earth available to man and the average requirement per person for each. Land acreage, water power, and mineral resources are studied in detail. Given in alternate years. Three hours classroom, one discussion period, and two hours laboratory work per week. Requisite: Geology 21 and either 22 or 26. *Elective for Juniors. Second semester. (Omitted 1954-55.)*

## 49. INVERTEBRATE PALEONTOLOGY. PROFESSOR SAGE.

4 credit hrs.

The identification, interrelationships, occurrence, and uses of fossil invertebrate animals and plants. Three hour classroom and four hours

laboratory work per week. Requisite: Geology 22. *Elective for Juniors. First semester.*

56. VERTEBRATE PALEONTOLOGY. Professor WOOD. *4 credit hrs.*

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Biology 56.) Requisite: Geology 22. *Elective for Juniors. Second semester.*

79, 80. CONFERENCE COURSE. *4 credit hrs.*

Professors BAIN, SAGE, WOOD and Mr. BROPHY.

Special investigation of one or more topics in mineral deposits, structural geology, stratigraphy, paleontology, or world resources. Two hours conference per week and laboratory work as required. Requisite: The background courses in the Department. *Elective for Seniors.*

## German

Professor SCENNA; Assistant Professor PEPPARD; Mr. TAPP.

Assistants: Mrs. BREUSCH; Messrs. EBELING and WEISZ.

*Note:* The following courses may be used to satisfy the Humanities requirement in sophomore year: German 7, 21, 22, 27, 28, 31, 32, 33.

*Major for students not candidates for the degree with honors.* The major must include thirty credit hours, not counting those of courses 1 and 3. Eight of these credits may be in approved courses outside the Department.

*Honors:* The aim of honors work in German is to offer the candidate the opportunity

- a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work
- b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay
- c) to acquire a general view of the history and development of German, either as language or literature.

The goal of this work is not necessarily to produce graduate students, unless a candidate has definitely decided upon doing graduate work. The program of the senior year is organized on the basis of individual conferences, in which the candidate benefits from personal attention.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take, early in May, a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

Candidates for the degree with honors should elect German 21, 22, 27, 43, 44, 79, 80. They are urged to study one ancient or other modern foreign language.

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1. ELEMENTARY COURSE. PROFESSOR PEPPARD. *4 credit hrs.*

Grammar, pronunciation, oral practice. This course will meet three hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE. PROFESSOR SCENNA. *4 credit hrs.*

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. MR. TAPP. *4 credit hrs.*

Same description as above. Requisite: German 1, or its equivalent. *Elective for Freshmen. Second semester.*

5. ADVANCED COURSE. MR. TAPP. *4 credit hrs.*

Reading and analysis of selected texts. This course will meet three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on the acquisition of aural comprehension of the language and oral drill. Conducted as far as possible in German. Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. *Elective for Freshmen. First semester.*

*Note:* Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training.

5S. ADVANCED COURSE. PROFESSOR PEPPARD. *4 credit hrs.*

Same description as above. Requisite: German 3 or its equivalent. *Second semester.*

7. INTRODUCTION TO GERMAN LITERATURE. 4 credit hrs.  
Professor PEPPARD.

Reading and discussion of selected literary texts. This course will be conducted as far as possible in German. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

- 7S. INTRODUCTION TO GERMAN LITERATURE. 4 credit hrs.  
Professor PEPPARD.

Same description as above. Requisite: Satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. *Elective for Freshmen. Second semester.*

21. FAUST. Professor SCENNA. 2 credit hrs.

*Faust*, Part I. Study of the Faust legend and assigned readings. Requisite: German 7 or the consent of the instructor. Two classroom meetings per week. *Elective for Sophomores. First semester.*

22. FAUST. Professor SCENNA. 2 credit hrs.

*Faust*, Part II. Study of the Faust legend and assigned readings. Requisite: German 21 or the consent of the instructor. Two classroom meetings per week. *Elective for Sophomores. Second semester.*

23. ADVANCED COMPOSITION AND CONVERSATION. 4 credit hrs.  
Professor PEPPARD.

Practice in free composition and set translation into German; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of German for further study or for teaching the language. Offered every other year. Requisite: The consent of the instructor. *Elective for Sophomores. First semester. (Omitted 1954-55.)*

- 25, 26. READING COURSE. Mr. TAPP. 4 credit hrs.

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of German. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

27. THE AGE OF GOETHE. Professor SCENNA. 4 credit hrs.

A study of the development of German literature, particularly as reflected in the works of Goethe, excluding *Faust*. Selected readings in other authors of the period. Lectures, essays and assigned readings. Requisite: German 7 or the consent of the instructor. Three hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. First semester.*

28. ADVANCED READINGS IN GERMAN LITERATURE.  
Professor PEPPARD.

3 credit hrs.

The content of this course will be determined each year by the instructor in charge. For 1953-54: German literature of the twentieth century, with some attention to the relation of literature to the national scene. Requisite: German 7, or consent of the instructor. Three hours of classroom work per week. *Elective for Sophomores. Second semester. (Omitted 1954-55.)*

31. RAINER MARIA RILKE. Professor PEPPARD.

1 credit hr.

A study of Rilke as a German poet and European man of letters. Lectures and discussion. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1954-55.)*

32. THOMAS MANN. Professor PEPPARD.

1 credit hr.

An introduction to the shorter works of Thomas Mann and a study of his place in modern letters. Lectures and discussion. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. Second semester.*

33. FRANZ KAFKA. Professor PEPPARD.

1 credit hr.

A study of Kafka and his place in European literature. Lectures and discussion. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. First Semester.*

42. GERMAN LITERATURE OF THE NINETEENTH CENTURY.  
Professor SCENNA.

4 credit hrs.

Major developments in German prose, poetry and drama since the age of Goethe, with some attention to the contemporary literary scene. Readings, reports and discussions. Requisite: German 21, or German 27, or the consent of the instructor. One seminar meeting per week, together with individual conferences. *Elective for Juniors. Second semester.*

43. STUDIES IN GERMAN CULTURE I. Professor SCENNA.

4 credit hrs.

Assignment of individual problems or readings in fields of special interest. Requisite: German 22 or the consent of the instructor. *Elective for Seniors. First semester.*

44. STUDIES IN GERMAN CULTURE II. Professor SCENNA.

4 credit hrs.

Assignment of individual problems or readings in fields of special interest. Requisite: German 22, or German 43, or the consent of the instructor. *Elective for Seniors. Second semester.*

- 79-80. HONORS COURSE FOR SENIORS. The Department.

6 credit hrs.

## *History*

Professors PACKARD, ROZWENC\*, SALMON and SHERMAN;  
Associate Professor HAVIGHURST; Assistant Professor SCOTT;  
Messrs. C. GREENE, T. GREENE, HALSTED, RUSSELL and SEDELOW.

*Note:* A major in history will consist of six semester courses in history in addition to the required sequence courses (History 1-2 and American Studies 21-22) of the freshman and sophomore years.

Candidates for honors in history must take, in addition to the social science sequences of the freshman and sophomore years, six semester courses in the Department. These courses will include the conference courses in Junior Honors and Senior Honors. Those concentrating in the American field may pursue a major in American Studies, or they may follow a program of study under the direction of the History Department. In the junior year candidates will take one written and one oral examination and in the senior year two written examinations and one oral. Emphasis is placed on individual work by the students in the presentation of seminar reports and in the writing of an honors thesis in the second semester of senior year.

History 23-24 will satisfy the Sophomore Humanities Sequence.

1. THE DEVELOPMENT OF WESTERN CIVILIZATION: A SURVEY OF EUROPEAN HISTORY AND AN INTRODUCTION TO THE SOCIAL STUDIES. *4 credit hrs.*

Professors SALMON, SHERMAN and SCOTT; Messrs. C. GREENE, HALSTED, RUSSELL and SEDELOW.

Lectures, 3 hours; section meetings, 1 hour. *Required for Freshmen. First semester.*

2. THE DEVELOPMENT OF WESTERN CIVILIZATION: A SURVEY OF EUROPEAN HISTORY AND AN INTRODUCTION TO THE SOCIAL STUDIES. *4 credit hrs.*

Professors SALMON, SHERMAN and SCOTT; Messrs. C. GREENE, HALSTED, RUSSELL and SEDELOW.

Lectures, 3 hours; section meetings, 1 hour. *Requisite: History 1. Required for Freshmen. Second semester.*

21. LATIN AMERICA. Professor SALMON. *3 credit hrs.*

The colonial history of Latin America from the period of discovery through the Wars of Independence, with a survey of Indian and Iberian backgrounds, cultural and political. Three hours of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1954-55.)*

\* Absent on leave 1954-55.

## 22. LATIN AMERICA. PROFESSOR SALMON.

3 credit hrs.

The national history of the Latin American states from Independence to the present, with attention to economic and international problems as well as national political development. Three hours of classroom work per week. *Elective for Sophomores. Second semester. (Omitted 1954-55.)*

## 23. CLASSICAL CIVILIZATION. PROFESSOR SHERMAN.

3 credit hrs.

A study of the civilization of Greece from Homer to Alexander and its contributions to Western Civilization in economics, law, science, literature and philosophy. Readings from Greek literature with special reference to Greek drama. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

## 24. CLASSICAL CIVILIZATION. PROFESSOR SHERMAN.

3 credit hrs.

A study of the Hellenistic and Roman Empires and their contributions to Western Civilization in economics, politics, law, science, literature and philosophy. Readings from Greek and Latin literature. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

## 25. MEDIEVAL EUROPE. PROFESSOR HAVIGHURST.

3 credit hrs.

A study of institutional and intellectual developments in Europe from the end of the Roman Empire through the fifteenth century, with special attention to the medieval heritage. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

## 26. MEDIEVAL EUROPE. PROFESSOR HAVIGHURST.

3 credit hrs.

A continuation of History 25. *Requisite: History 25.* Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

## 27. ENGLISH HISTORY. PROFESSOR HAVIGHURST.

3 credit hrs.

Political and social history of England from 1485 to 1714. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

## 28. ENGLISH HISTORY. PROFESSOR HAVIGHURST.

3 credit hrs.

Political and social history of England and the British Empire from 1714 to the present. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

## 41. RUSSIA. PROFESSOR SALMON.

3 credit hrs.

General history of Russia and the Slavs, with emphasis upon recent political and economic development. *Elective for Juniors. First semester. (Omitted 1954-55.)*

42. RUSSIA. PROFESSOR SALMON. *3 credit hrs.*  
A continuation of History 41. *Elective for Juniors. Second semester. (Omitted 1954-55.)*
43. EUROPE IN THE NINETEENTH CENTURY. MR. HALSTED. *4 credit hrs.*  
An analysis of European social, cultural, economic, and political developments from 1815. *Elective for Juniors. First semester.*
44. EUROPE IN THE NINETEENTH CENTURY. MR. RUSSELL. *4 credit hrs.*  
A continuation of History 43. *Elective for Juniors. Second semester.*
45. THE FAR EAST. INDIA AND THE INDIES. *4 credit hrs.*  
PROFESSOR PACKARD.  
Four hours of classroom work per week. Both History 45 and History 46 must be completed to secure credit for History 45. *Elective for Juniors. First semester. (Omitted 1954-55.)*
46. THE FAR EAST. CHINA AND JAPAN. PROFESSOR PACKARD. *4 credit hrs.*  
A continuation of History 45. Four hours of classroom work per week. Both History 45 and History 46 must be completed to secure credit for History 45. Requisite: History 45. *Elective for Juniors. Second semester. (Omitted 1954-55.)*
47. EUROPE IN THE AGE OF LOUIS XIV. *4 credit hrs.*  
PROFESSOR PACKARD.  
First half of a year course. Requisite: a reading knowledge of French. Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1954-55.)*
48. EUROPE IN THE AGE OF LOUIS XIV. *4 credit hrs.*  
PROFESSOR PACKARD.  
Second half of a year course. Four hours of classroom work per week. Requisite: History 47 and a reading knowledge of French. *Elective for Juniors. Second semester. (Omitted 1954-55.)*
49. TWO WORLD WARS. PROFESSOR PACKARD. *4 credit hrs.*  
First half of a year course. Both History 49 and History 50 must be completed to secure credit for History 49. Three hours of classroom work per week. *Elective for Juniors. First semester. Limited to 15 students.*
50. TWO WORLD WARS. PROFESSOR PACKARD. *4 credit hrs.*  
Three hours of classroom work per week. Requisite: History 49. *Elective for Juniors. Second semester. Limited to 15 students.*
53. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES. *4 credit hrs.*  
PROFESSOR ROZWENC.  
The development of American life from the colonial period to the present day with emphasis upon economic influences, racial contributions,

religious and educational institutions, humanitarian movements and intellectual currents. Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1954-55.)*

54. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.

Mr. T. GREENE.

4 credit hrs.

Four hours of classroom work per week. *Elective for Juniors. Second semester.*

55. THE FRENCH REVOLUTION. PROFESSOR SALMON.

3 credit hrs.

Three hours of classroom work per week. *Elective for Juniors. First semester.*

56. THE AGE OF NAPOLEON. PROFESSOR SALMON.

3 credit hrs.

Three hours of classroom work per week. *Elective for Juniors. Second semester.*

57. HISTORY OF POLITICAL THOUGHT. PROFESSOR SHERMAN.

4 credit hrs.

A study of the development of political thought in the West from the Greeks to Rousseau. (Same course as Political Science 57.) Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester.*

58. THE AGE OF THE ENLIGHTENMENT. PROFESSOR SHERMAN.

4 credit hrs.

A study of Eighteenth Century European history in the light of the leading ideas of the time with special reference to economic, political, and social thought before the French Revolution. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. Second semester. (Omitted 1955.)*

59. AMERICAN POLITICAL HISTORY. PROFESSOR ROZWENC.

4 credit hrs.

This course will deal with the attempts by historians to work out patterns of interpretation for political periods before the Civil War. Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1954-55.)*

60. AMERICAN POLITICAL HISTORY. PROFESSOR ROZWENC.

4 credit hrs.

The same approach as in History 59 for political history since the Civil War. Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1954-55.)*

61. FOUNDATIONS OF AMERICAN CIVILIZATION. Mr. T. GREENE.

4 credit hrs.

An analysis of the first five generations of Americans (from early settlers through the Revolutionary generation) with emphasis upon the origins of certain fundamental themes in American history: social classes, immigration, European-American relations, frontier vs. city, science vs. religion, and constitutional democracy. Four hours of classroom work per week. *Elective for Juniors. First semester.*

62. AMERICAN DIPLOMATIC HISTORY. Mr. T. GREENE. 3 credit hrs.

The history of American foreign policy from the American Revolution to the present, with emphasis on the period since 1898. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1954-55.)*

63. THE RENAISSANCE. PROFESSOR SCOTT. 4 credit hrs.

The emergence of Western Europe from feudalism in the period 1300-1500; manifestations of the Renaissance principally in the intellectual, social, economic, and artistic fields, with particular emphasis on Italy. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester.*

64. THE REFORMATION. PROFESSOR SCOTT. 4 credit hrs.

A study of the social, economic, and political changes in the sixteenth century and their relation to intellectual and religious development. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. Second semester.*

66. WESTWARD EXPANSION OF AMERICA. Mr. GARFINKLE. 3 credit hrs.

Through the history of America's westward expansion from the Revolution to the twentieth century this course will attempt to define what the frontier experience has meant to Americans in their political, economic, social, and literary development. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

67. FOUNDATIONS OF ENGLISH LAW AND THE CONSTITUTION. 4 credit hrs.  
Professor HAVIGHURST.

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of Monarchy. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. Second semester. (Omitted 1954-55.)*

69. CONFERENCE COURSE. JUNIOR HONORS. The Department. 4 credit hrs.  
*Elective for Juniors. First semester.*

70. CONFERENCE COURSE. JUNIOR HONORS. 4 credit hrs.  
The Department.  
Requisite: History 69. *Elective for Juniors. Second semester.*

79. CONFERENCE COURSE. SENIOR HONORS. 6 credit hrs.  
The Department.  
*Elective for Seniors. First semester.*

80. CONFERENCE COURSE. SENIOR HONORS. 6 credit hrs.  
The Department.  
Requisite: History 79. *Elective for Seniors. Second semester.*

## Humanities

### 1. HUMANITIES.

2 credit hrs.

Professors FUNNELL (chairman), JOHNSON, LAMPRECHT, MARTIN, MOORE and SCOTT; Messrs. HALSTED, MILLER, PARRY, RUSSELL, SANDERS, SEDELOW and TAPP.

A reading course: fairly rapid reading both for understanding and for enjoyment. The course is intended to serve as a contribution to the student's general education, and the books are chosen to illustrate certain important stages in the development of Western culture. The reading list varies somewhat from year to year, but in general this semester is given over largely to Greek literature and to the Old Testament. The course is conducted in small sections: class discussions, short papers, occasional lectures. Two hours per week. *Required for Freshmen. First semester.*

### 2. HUMANITIES.

2 credit hrs.

Professors EPSTEIN, FRENCH, FUNNELL (chairman), MARTIN, MOORE and SCOTT; Messrs. HALSTED, MILLER, PARRY, RUSSELL, SANDERS, SEDELOW and TAPP.

A continuation of Humanities 1. The reading list for this semester includes in general works selected from the medieval, Renaissance and modern periods. Three hours per week. Requisite: Humanities 1. *Required for Freshmen. Second semester.*

### 21. AN INTRODUCTION TO MUSIC, FINE ARTS, AND DRAMA.

4 credit hrs.

Professors C. MORGAN (chairman), V. MORGAN\*, MCGOUN †, MISHKIN, PETTET and ROGERS; Messrs. DARR, MILLER, and LUDINGTON.

A consideration of the vocabulary, methods, and materials of creative expression in music, fine arts, and drama. The conclusion of the course shows how the three arts reflect the ideals of nineteenth century impressionism. This course is normally requisite for all other courses in dramatic arts and for several courses in fine arts and in music. Three hours of classroom and one hour of laboratory work per week. *Elective for Sophomores. First semester.*

### 22. AN INTRODUCTION TO MUSIC, FINE ARTS, AND DRAMA.

4 credit hrs.

Professors C. MORGAN, MCGOUN †, MISHKIN, PETTET and ROGERS; Messrs. DARR, MILLER, and LUDINGTON.

A continuation of Humanities 21. The technical background acquired in Humanities 21 is used in a study of the arts in the Periclean Age, the Age of the Church, the Period of Humanism, the Nineteenth and Twentieth Centuries. Emphasis is placed on the integration of the arts and of the arts with their times. Requisite: Humanities 21. Three hours of classroom and one hour of laboratory work per week. *Elective for Sophomores. Second semester.*

\* Absent on leave 1954-55.

† Absent on leave, second semester, 1954-55.

## *Italian*

Professor FRENCH

1. ELEMENTARY COURSE. Professor FRENCH. 4 credit hrs.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, three hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

- 3S. INTERMEDIATE COURSE. Professor FRENCH. 4 credit hrs.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, two hours per week in small sections for drill in aural comprehension of the language. *Elective for Freshmen. Second semester.*

21. READINGS IN ITALIAN LITERATURE FROM BOCCACCIO TO THE PRESENT.  
Professor FRENCH. 4 credit hrs.

Reading of important works with special attention to the modern period. Requisite: Italian 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. DANTE. Professor FRENCH. 4 credit hrs.

A reading of the *Inferno* and of parts of the *Purgatorio* and *Paradiso*. Special study of the social and political background of the work. Requisite: Italian 21. Special reports and papers. Given in alternate years. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. Second semester.*

24. THE RENAISSANCE. Professor FRENCH. 4 credit hrs.

Origins in Boccaccio's *Decamerone* and in Petrarch's *Canzoniere*. Reading of Cellini's *Vita*, Castiglione's *Cortegiano* and Machiavelli's *Principe* with a study of the social background of the fifteenth and sixteenth centuries in Italy. Special reports and papers. Requisite: Italian 21. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. Second semester. (Omitted 1954-55.)*

## *Legal Studies*

Professors LATHAM, LOWENSTEIN and ZIEGLER;  
Associate Professor HAVIGHURST.

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. 4 credit hrs.  
Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century cap-

italism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Hughes, Stone, Black, and Frankfurter. Four hours of classroom work per week. (Same course as Political Science 25.) *Elective for Sophomores. First semester.*

42. ADMINISTRATIVE LAW. PROFESSOR LATHAM.

4 credit hrs.

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. (Same course as Political Science 42.) One three-hour classroom meeting a week. *Elective for Juniors; Limited to 25 students with the consent of the instructor. Second semester. (Omitted 1954-55.)*

44. INTERNATIONAL LAW. PROFESSOR ZIEGLER.

4 credit hrs.

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. (Same course as Political Science 44.) Four hours of classroom work per week. *Elective for Juniors. Second semester.*

67S. FOUNDATIONS OF ENGLISH LAW AND THE CONSTITUTION. 4 credit hrs.

Professor HAVIGHURST.

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of Monarchy. (Same course as History 67S.) Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. Second semester. (Omitted 1954-55.)*

73-74. INTRODUCTION TO JURISPRUDENCE.

4 credit hrs.

Professor LOEWENSTEIN.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analysis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. (Same course as Political Science 73-74.) One three-hour seminar each week. *Elective for Seniors. (Omitted 1954-55.)*

## *Mathematics*

Professors BREUSCH, BROWN and SPRAGUE\*; Messrs. TOMBER and WILLCOX.

*Note:* A major in mathematics must elect 3, 23, 31, 32 and either 42 or 48 his senior year. All mathematics courses except 1-2 give major credit.

In addition to the general college requirements, a degree with honors is awarded on the basis of accomplishment in the courses in mathematics required for a major, in the conference course, and in any additional courses prescribed by the Department. A thesis may be required.

The content of the conference course varies from year to year. Topics that have been or may well be given are Complex Variable, Abstract Algebra, Classical Algebra, Algebraic Geometry, Differential Geometry and Topology.

1. Same course as Science 1A, 1B. 4 credit hrs.

2. Same course as Science 2A, 2B. 4 credit hrs.

3. CALCULUS. Professor BROWN. 4 credit hrs.

Continuous functions, differentiation and integration of trigonometric and logarithmic functions and their inverses, curvature, curvilinear motion, curve tracing, theorem of mean value, formal integration, infinite series, simple partial differentiation. Requisite: Science 1 or its equivalent. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

3S. CALCULUS. Professor SPRAGUE. 4 credit hrs.

Same description as above. *Elective for Freshmen. Second semester.*

23S. DIFFERENTIAL EQUATIONS. Mr. WILLCOX. 4 credit hrs.

Treatment of ordinary differential equations with principal types of first and second order equations, linear equations with constant coefficients, simultaneous equations. Simple partial differential equations. Applications to geometry, physics and other branches of science. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

31. ADVANCED CALCULUS. Professor BREUSCH. 4 credit hrs.

Brief treatment of determinants and solid analytic geometry, partial differentiation, implicit function theory, elements of vector analysis with applications. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

\* Absent on leave, first semester 1954-55.

## 32. ADVANCED CALCULUS. PROFESSOR BREUSCH. 4 credit hrs.

Multiple integrals, line and surface integrals, transformation of integrals, Fourier series, complex functions. Requisite: Mathematics 31. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

## 42. FUNCTIONS OF A COMPLEX VARIABLE. PROFESSOR BREUSCH. 3 credit hrs.

An introduction to analytic functions. Point sets, complex numbers, derivatives, conformal mapping, integrals. Cauchy's theorems, power series, singularities, Laurent series, analytic continuation, rational, entire, meromorphic and multiple-valued functions, Riemann surfaces. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years. Will be given in 1955.*

## 43. THEORY OF NUMBERS. MR. WILLCOX. 3 credit hrs.

An introduction to the theory of rational integers. Divisibility, prime numbers, the unique factorization theorem, congruences, quadratic residues, Fermat's theorem, Diophantine equations. Three hours of classroom work per week. *Elective for Juniors. First semester.*

## 44. MODERN MATHEMATICS. PROFESSOR BROWN. 3 credit hrs.

A few simple mathematical systems of current interest will be constructed and studied. An exercise in the postulational method. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

## 46S. THEORY OF EQUATIONS. MR. TOMBER. 3 credit hrs.

Polynomials, the division transformation, Euclid's algorithm, Horner's method, Sturm functions, solution of the cubic and quartic equations, mathematical induction, complex numbers, determinants, symmetric functions, the resultant, introduction to matrices. Requisite: Mathematics 3 or its equivalent. Three hours of classroom work per week. *Elective for Juniors. First semester.*

## 48. DIFFERENTIAL GEOMETRY. PROFESSOR SPRAGUE. 3 credit hrs.

An introduction to the differential geometry of curves and surfaces; curvature, torsion, Frenet formulae; curvilinear coordinates, first and second fundamental form, surface curvature, lines of curvature, geodesics, fundamental equations. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years. Will be given in 1956.*

79. CONFERENCE COURSE. MR. TOMBER. 6 credit hrs.  
*Elective for Seniors. First semester.*80. CONFERENCE COURSE. MR. TOMBER. 6 credit hrs.  
*Elective for Seniors. Second semester.*

## *Music*

Professors MISHKIN and V. MORGAN \*; Mr. LUDINGTON

*Note:* There are two programs available for students majoring in music.

1. The music major which does not include applied music consists of six required semester courses and three other semester courses offered by the Department. The required courses are: Music 21-22, Music 23-24 and Music 41-42.

2. Since a minimum of four semester courses in applied music is expected, a music major which includes applied music will consist of ten rather than the usual nine semester courses. The following courses are all required: Music 21-22, Music 23-24, Music 41-42, and two years of Music 29-30.

An individual program will be arranged for each candidate for the degree with honors in music at the beginning of junior year. Concentration may be in advanced theory, music history, or applied music. All honors candidates must elect Music 79-80 and, late in the final semester of senior year, they will be required to take a comprehensive oral examination. Other examinations, essays or recitals will be arranged according to the individual's program.

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21. Same course as Humanities 21. *4 credit hrs.*

22. Same course as Humanities 22. *4 credit hrs.*

23. ELEMENTARY THEORY. PROFESSOR MISHKIN. *4 credit hrs.*

A study of the rhythmic, melodic, and harmonic organization of musical tones with emphasis on the harmonic idiom of the eighteenth century. Writing in four parts; analysis; ear training; keyboard harmony. Triads and their inversions, non-harmonic tones, writing in the style of the Bach chorales. Limited to fifteen students. Requisite: Ability to play all written work. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

24. ELEMENTARY THEORY. PROFESSOR MISHKIN. *4 credit hrs.*

A continuation of Music 23. Seventh chords, secondary dominants, elementary phrase construction. Limited to fifteen students. Requisite: Music 23. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

29. APPLIED MUSIC. *3 credit hrs.*

Courses are offered in the following branches of applied music: piano, organ, voice, violin, viola, violoncello. These courses may be elected by a

\* Absent on leave 1954-55.

limited number of students who satisfy the department, at an audition, that they are prepared to undertake the study of solo music literature of artistic worth. Students will normally be expected to begin their college work in applied music as freshmen or sophomores and to continue this study for two years. During the first two years of study three credit hours will be granted for each semester. Under exceptional circumstances a student may, with the permission of the Dean, elect a third year for which there will be two credit hours per semester. No credit is granted for a single semester of applied music.

Students of keyboard and string instruments have one hour of private instruction per week and are required (a) to practice a minimum of nine hours per week, and (b) to elect in sophomore or junior year one other course offered by the department. In addition keyboard students are required to participate in a weekly session of ensemble playing, and string students to attend the weekly rehearsal of the Smith College Orchestra.

Students of voice have one hour of private instruction per week and are required (a) to practice a minimum of eight hours a week, (b) to participate in the activities of either the glee club or the choir, and (c) to elect in sophomore or junior year one other course offered by the department.

Private instruction will be given by the College Organist and members of the Department of Music of Smith College. A fee of \$75 per semester will be charged to cover this special type of instruction. *Elective for Sophomores and qualified Freshmen with the consent of the Department. First semester.*

### 30. APPLIED MUSIC.

3 credit hrs.

A continuation of Music 29. *Elective for Sophomores and qualified Freshmen with the consent of the Department. Second semester.*

### 41. SYMPHONIC MUSIC. Mr. LUDINGTON.

3 credit hrs.

The development of orchestral literature from Haydn through Brahms: the symphony, concerto, and symphonic poem. Requisite: Music 21 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester.*

### 42. MUSIC SINCE 1900. Mr. LUDINGTON.

3 credit hrs.

Modern music in Europe and the United States from Debussy to Stravinsky. Requisite: Music 21 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

### 44. BEETHOVEN. Professor V. MORGAN.

3 credit hrs.

A study of the piano, chamber, and orchestral music. Requisite: Music 21 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester in alternate years. (Omitted 1954-55.)*

### 45. BACH. Professor MISHKIN.

3 credit hrs.

The Bach style studied in relation to the development of music from

1600. Requisite: Music 21 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester in alternate years. (Omitted 1954-55.)*

46. THE OPERA. Professor V. MORGAN. 4 credit hrs.

The development of the musical drama with emphasis on a detailed study of operatic types. Representative works by Mozart, Verdi, and Wagner. Requisite: Music 21 or the consent of the Department. Four hours of classroom work per week. *Elective for Juniors. Second semester in alternate years. (Omitted 1954-55.)*

47. CHROMATIC HARMONY AND ANALYSIS. Professor MISHKIN. 3 credit hrs.

A continuation of Music 23-24 with emphasis on the harmonic idioms of the nineteenth and twentieth centuries. Composition in the smaller forms. Requisite: Music 24. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. TONAL COUNTERPOINT. Professor MISHKIN. 3 credit hrs.

Contrapuntal technique of the eighteenth century, invertible counterpoint, canon, and two part inventions. Requisite: Music 24. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

51. MUSIC IN THE ELIZABETHAN AGE. Professor MISHKIN. 2 credit hrs.

Music in sixteenth century England and its relation to the cultural and social life of the times. No technical knowledge of music is presupposed. Two hours of classroom work per week. *Elective for Juniors. First semester in alternate years.*

53. MUSICAL LITERATURE. Professor MISHKIN. 2 credit hrs.

A study of the development of music through Beethoven. Designed for students with no previous academic work in music who are interested in developing techniques of listening. This course is not open to students who have completed or elected Music 21. Two hours of classroom work per week. *Elective for Juniors. First semester.*

54. MUSICAL LITERATURE. Professor MISHKIN. 2 credit hrs.

A continuation of Music 53. The study of the development of music from Schubert to the present day. Requisite: Music 53 or Music 21. This course is not open to students who have taken Music 22. Two hours of classroom work per week. *Elective for Juniors. Second semester.*

79. CONFERENCE COURSE. The Department. 6 credit hrs.

Studies in history or advanced theory. *Elective for qualified Seniors. First semester.*

80. CONFERENCE COURSE. The Department. 6 credit hrs.

A continuation of Music 79. *Elective for qualified Seniors. Second semester.*

## *Philosophy*

PROFESSORS KENNEDY and LAMPRECHT; ASSISTANT PROFESSOR EPSTEIN.

*Note:* The courses open to Sophomores: Introduction to Philosophical Literature, Ethics, and Logic, may count towards a major in Philosophy. All majors in Philosophy are required to take Philosophy 43 and 44.

Candidates for the degree with honors in Philosophy are required to take the courses numbered 23, 24, 43, 44, 79, and 80, and will elect their further courses with the approval of the Department. Each candidate will write, in conjunction with the conference courses in the senior year, an original essay on a topic which has been approved by the Department. He will take, early in May of senior year, two written and one oral examinations. One written examination will be on the general history of European and American Philosophy. The other written examination will be on some field of philosophy which the candidate may select, with the approval of the Department—metaphysics and philosophy of science, logic and theory of knowledge, ethics and social philosophy, aesthetics, history and philosophy of religion. The oral examination will be a defense by the candidate of his original essay before a committee of members of the Philosophy and affiliated Departments. Recommendation for the various degrees of honors will be made by the Department on the basis of the original essay and the three examinations.

Majors and majors with honors may also be taken in the following combined fields:

- Philosophy and Classics
- Philosophy and English
- Philosophy and History
- Philosophy and Political Science
- Philosophy and Psychology
- Philosophy and Religion

The selection of courses to constitute such combined majors, the topic for an original essay and the arrangements for comprehensive examinations must in each case be approved by representatives of the two departments concerned. Recommendation for the various degrees with honors will be made by committees composed of members of the two departments concerned.

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### 21. INTRODUCTION TO PHILOSOPHICAL LITERATURE.

*4 credit hrs.*

PROFESSOR EPSTEIN.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part

of the sophomore requirement in connection with the Humanities. Four class hours per week. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO PHILOSOPHICAL LITERATURE. *4 credit hrs.*  
Professor LAMPRECHT.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Four class hours per week. *Elective for Sophomores. Second semester.*

23. LOGIC AND SCIENTIFIC METHOD. Professor EPSTEIN. *3 credit hrs.*

The basic character of scientific knowledge; the fundamental principles of inference operative in experimental inquiry; an introductory discussion of representative philosophical interpretations of the foundations of science. Material taken from the physical, biological and social sciences will be treated from the standpoint of three main topics: (1) Concept formation and formulation of hypotheses, (2) Formal logic and the deductive development of theories, (3) Statistical inference and the verification of hypotheses. (No previous training in the sciences or philosophy is presupposed.) Three class hours per week. *Elective for Sophomores. First semester.*

24. ETHICS. Professor KENNEDY. *3 credit hrs.*

The social basis of morality, theory of the moral life, morals and social problems. Three class hours per week. *Elective for Sophomores. Second semester.*

26. TYPES OF LOGICAL THEORY. Professor EPSTEIN. *2 credit hrs.*

A comparative study of the significance for methodology and the theory of knowledge of different types of logical system, together with a critical evaluation of the associated concepts of proof. Two class hours per week. Requisite: Philosophy 23 or consent of the instructor. *Elective for Sophomores. Second semester.*

41. PHILOSOPHY OF EDUCATION. Professor KENNEDY. *3 credit hrs.*

A comparative and critical study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. Three class hours per week. Given in alternate years. *Elective for Juniors. First semester.*

43. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY. *4 credit hrs.*  
Professor LAMPRECHT.

A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on Plato, Aristotle, and the formation

of Christian thought. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Juniors. First semester.*

44. HISTORY OF MODERN PHILOSOPHY. PROFESSOR LAMPRECHT. 4 credit hrs.

A survey of European philosophy in the seventeenth, eighteenth, and nineteenth centuries, with emphasis on Descartes, Spinoza, Locke, Hume, and Kant. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Juniors. Second semester.*

46. PHILOSOPHY OF RELIGION. 3 credit hrs.

(Same course as Religion 46.) *Elective for Juniors. Second semester. (Omitted in 1954-55.)*

47S. AMERICAN PHILOSOPHY. PROFESSOR KENNEDY. 3 credit hrs.

A study of the modern period in American thought. Reading and discussion of works by Peirce, Royce, James, Santayana, Veblen and Dewey. Three class hours per week. *Elective for Juniors. Second semester.*

49. CONTEMPORARY RELIGIOUS THOUGHT. PROFESSOR MARTIN. 3 credit hrs.

(Same course as Religion 49.) *Elective for Juniors. First semester.*

71. REPRESENTATIVE PHILOSOPHERS. PROFESSOR LAMPRECHT. 4 credit hrs.

A critical study of certain writings by Santayana, Whitehead, and Woodbridge. Requisite: A grade of B in two semester courses in philosophy. One two-hour period per week. *Elective for Seniors. First semester.*

72. REPRESENTATIVE PHILOSOPHERS. PROFESSOR EPSTEIN. 4 credit hrs.

A critical study of not more than three recent philosophers concerned with the foundations of science. Requisite: A grade of B in two semester courses in philosophy. Two class hours per week. *Elective for Seniors; limited to fifteen students. Second semester.*

74. METAPHYSICS. PROFESSOR LAMPRECHT. 1 credit hr.

A systematic treatment of fundamental concepts for a theory of nature. This treatment will not be made for historical purposes but will presuppose knowledge of the major figures in the history of ideas. Requisite: Three semesters of philosophy, including Philosophy 43 and Philosophy 44, or the consent of the instructor. One class hour per week. *Elective for Seniors. Second semester.*

79. CONFERENCE COURSE. THE DEPARTMENT. 4-8 credit hrs.

Required of candidates for honors in philosophy. *Elective for Seniors. First semester. (Minimum of 6 credit hours for honors candidates.)*

80. CONFERENCE COURSE. THE DEPARTMENT. 4-8 credit hrs.

Required of candidates for honors in philosophy. *Elective for Seniors. Second semester. (Minimum of 6 credit hours for honors candidates.)*

### *Physical Education*

Professors ECKLEY, LUMLEY, and MARSH; Associate Professors McCABE McLAUGHRY, RICHARDSON, ROSTAS and WILSON; Assistant Professor DUNBAR; Messrs. GOWEN, REID and VAN PETERSILGE.

Complete physical examination, physical fitness tests, special exercises for remedial defects, and a program of instruction and participation in team games and sports. *Required for Freshmen and Sophomores and men who have not met the department standards in swimming, fitness, team games, and recreational sports.*

### *Physics*

Professors ARONS and SOLLER\*; Associate Professor BENSON; Assistant Professors CROWELL and NICOL; Mr. TOWNE

The minimum course requirements for a major in physics are as follows: Physics 22, 51, 52, 53, 54, Math 31, with additional physics courses, and either Math 23 or 32 making up the balance of the 30 hours required for any major.

A major with honors will require the first six courses listed above, plus Physics 75, 76, 79, 80.

It is practically imperative that a student who wishes to do graduate work in physics take courses Physics 51, 52, 53, and 54 in his Junior year, and Physics 75 and 76 in his Senior year, even though the latter two courses are not formally required for the major.

The aim of honors work in physics is to provide an opportunity for the student to develop his ability and interest in individual investigation, and his skill in experimental techniques. Any student who intends to do graduate work in physics should register for honors work, but the honors program is available to other qualified students as well.

The honors project consists of independent work, under faculty direction, on some experimental or theoretical problem mutually acceptable to both the student and staff. Experimental equipment is available for work in some phases of magnetism, acoustics, ultrasonics, optics, electronics, X-rays, cosmic rays, and nuclear- and low-temperature physics. The student is given facilities to review the literature in the field, to design, construct and assemble his experimental equipment, and to make observations. During the spring, he is required to present his work in the Physics Seminar, and to prepare a thesis, which is due on May 15th.

In addition, the honors student is required to take comprehensive examinations, two written and one oral. The first written examination is given at the end of the first semester of the senior year and is designed to test his grasp of fundamental physical principles. The student's achievement on this examination, together with his progress on his honors problem,

\* Absent on leave, second semester, 1954-55.

will determine the advisability of his continuing the honors program. The purpose of the second written examination, which is given during the latter part of May, is to test the student's comprehension of the basic ideas and methods of the more advanced phases of physics. The oral examination with the department is usually primarily on the thesis and allied topics.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive examinations.

1. Same course as Science 1. *4 credit hrs.*
2. Same course as Science 2. *4 credit hrs.*
22. Same course as 22S. Second semester. *4 credit hrs.*
- 22S. INTRODUCTORY COURSE. PROFESSORS CROWELL and NICOL. *4 credit hrs.*

A course which takes up various blocks of subject matter and essential physical concepts not covered in Science 1, 2. Required for most science majors and all pre-medical students. Mechanics, fluids, thermodynamics, electricity, optics. Emphasis on use of mathematics and solution of problems. Four hours of lectures and class discussions and one laboratory period per week. Requisite: Science 1, 2. *Elective for Sophomores. First semester.*

51. MECHANICS. PROFESSOR BENSON. *3 credit hrs.*

Newtonian dynamics and statics of particles and rigid bodies from a vector point of view. Special emphasis is placed upon a thorough treatment of periodic motion. Three hours of lectures and discussions per week. Requisite: Mathematics 31 (concurrent), except by special permission of the instructor. Physics 22. *Elective for Juniors. First semester.*

52. WAVE PHENOMENA. MR. TOWNE and PROFESSOR BENSON. *4 credit hrs.*

General characteristics of wave motion—the wave equation, energy relationships, diffraction, interference, reflection, refraction and polarization. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its applications in the two fields. Four hours of lectures and problems and one laboratory period per week. Requisite: Physics 51. *Elective for Juniors. Second semester.*

53. ELECTRICITY AND MAGNETISM I. PROFESSOR SOLLER. *4 credit hrs.*

Fundamentals of electrical and magnetic measurements, and fundamental direct- and alternating-current theory, including bridge methods

and coupled circuits. Three hours of lectures and discussion, and one laboratory period per week. Requisite: Physics 22, Math 3, and concurrent registration in Physics 51, except by special permission of the instructor. *Elective for Juniors. First semester.*

54. ELECTRICITY AND MAGNETISM II. Professor BENSON. *3 credit hrs.*

Introduction to electromagnetic theory, employing vector methods throughout. Potential theory, electrostatics, electric currents, magnetism, induced emfs, thermoelectric phenomena, Maxwell's equations, electromagnetic waves, and Poynting's theorem. Three hours of lectures and discussions per week. Requisite: Mathematics 31, Physics 51, 53. (Physics 52 and Mathematics 32 are desirable concurrently.) *Elective for Juniors. Second Semester.*

56. ELECTRONICS. Professor NICOL. *3 credit hrs.*

Characteristics of vacuum and gas filled thermionic tubes, and their application in a variety of circuits, with emphasis on circuits which are important in scientific work, rather than in communication. Two lectures or discussions, and one laboratory period per week. Enrollment in course limited. Requisite: Physics 53 and the consent of the instructor. *Elective for Juniors. Second semester.*

73. THEORETICAL PHYSICS. Mr. TOWNE. *4 credit hrs.*

Advanced dynamics and quantum mechanics. Lagrangian and Hamiltonian formulations of classical mechanics. Hamilton-Jacobi Theory. Solution of the Schrodinger wave-equation for simple systems, with emphasis upon interpretation of the results. Four hours of lectures or seminars per week. Requisite: Physics 51 and the consent of the instructor. *Elective for Seniors. First semester.*

75. THERMODYNAMICS. Professor ARONS. *4 credit hrs.*

Generalization of the ideas of work, heat, energy. Mathematics of thermodynamics. First and Second Laws with applications to one component systems. Thermodynamic functions as criteria of equilibrium. Interpretation of thermodynamic laws and functions in terms of the behavior of aggregations of atoms and molecules. Requisite: Physics 52, 54. *Elective for Seniors. First semester.*

76. MODERN PHYSICS. Professor CROWELL. *4 credit hrs.*

The growth of modern views of space, time, matter and radiation. Special theory of relativity, structure of the atom, wave-particle duality of radiation and matter and the evolution of quantum mechanics, nuclear phenomena. The limitations of the classical theories of mechanics and electromagnetism are discussed and emphasis is placed upon the theoretic-

cal concepts and models invoked to describe and correlate the experimental observations. Requisites: Physics 52 and 54. *Elective for Seniors. Second semester.*

77. ADVANCED LABORATORY. PROFESSOR BENSON.

2 credit hrs.

An introduction to various techniques and experiments which are basic to advanced work in experimental physics. One four hour laboratory period per week. *Elective for Senior physics majors. First semester.*

79-80. HONORS COURSE. The Department.

6 credit hrs.

Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work. Requisite: At least four semester courses in physics beyond Science 1, 2; one other course in advanced physics to be taken concurrently. *Elective for Seniors. First and second semesters.*

## Political Science

PROFESSORS LATHAM, LOEWENSTEIN, SHERMAN, and ZIEGLER;  
MR. FENNO

*Note:* A major in political science consists of eight courses in political science, one of which must be 21 or 21S. Two courses may be in related subjects approved by the Department.

The honors program is designed to provide students with guidance through advanced work in political science, with full opportunity for independent research and writing. In addition to courses 21 (or 21S), 79, and 80, the Department expects that every honors candidate will have selected such courses in the following fields as will enable him to pass a written comprehensive examination thereon: American Government and Politics; Comparative Government; International Law and Relations; and Political Theory. Honors candidates will also prepare a substantial thesis based upon independent research, upon which they will be examined orally.

21. AMERICAN GOVERNMENT. PROFESSOR ZIEGLER.

4 credit hrs.

An introduction to the major problems of American democracy; their political, economic, and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Required for all majors in the Department. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

21S. AMERICAN GOVERNMENT. PROFESSOR ZIEGLER. 4 credit hrs.

Same description as above. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

23. ELEMENTS OF MODERN POLITICS. PROFESSOR LOEWENSTEIN. 3 credit hrs.

A systematic introduction to the understanding of the political process in the modern world and an analysis of the interrelationship of state, government, and people in the formation and exercise of political power. Three hours of classroom work per week. *Students enrolled in this course are required to take Political Science 35 (1 credit hr.). Elective for Sophomores. First semester.*

24. PATTERNS OF GOVERNMENT. PROFESSOR LOEWENSTEIN. 4 credit hrs.

A comparative study of the functions, techniques, and institutions of political society as reflected by the different forms of states and government, with special emphasis on the theory and practice of contemporary democratic and autocratic government. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. 4 credit hrs.  
PROFESSOR LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crises of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

27. POLITICAL PARTIES. MR. FENNO and the Department. 4 credit hrs.

The role of the people, parties and pressure groups in the politics of American democracy. Special attention to: the basic features of American Political parties, with European comparisons and contrasts; the work of politicians, bosses and machines; the running of election campaigns; the character and behavior of the electorate; the competition for power among business, labor, agriculture, and the other major organized interests in the community. Three hours of classroom work per week plus participation and further work in political campaigns. *Elective for Sophomores. First semester.*

35. ISSUES OF INTERNATIONAL POLITICS. PROFESSOR LOEWENSTEIN. *1 credit hr.*

An analysis of relevant topics and currents of contemporary international politics. The selection of the issues will be conditioned by their significance for the conflict between power politics and peaceful cooperation. Lectures and discussion. One hour of classroom work per week. *Elective for Juniors. The course may also be taken by Sophomores simultaneously enrolled in Political Science 23. First semester.*

## 41. THE ADMINISTRATION OF PUBLIC POLICY.

*4 credit hrs.*

PROFESSOR LATHAM.

An introduction to the problem of bureaucracy in modern government with attention to social factors that shape and condition administrative structures; group behavior in administrative agencies; the theory of organization in its formal and informal aspects; functions of the executive; the management of money and people; the formulation of policy; and the behavior of rival bureaucracies—private and public. Three hours of classroom work per week. *Elective for Juniors. Limited to twenty students. First semester.*

## 42. ADMINISTRATIVE LAW. PROFESSOR LATHAM.

*4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. One three-hour classroom meeting a week. *Elective for Juniors. Limited to 25 students with the consent of the instructor. Second semester. (Omitted in 1954-55.)*

## 44. INTERNATIONAL LAW. PROFESSOR ZIEGLER.

*4 credit hrs.*

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

## 45. COMPARATIVE POLITICAL INSTITUTIONS.

*4 credit hrs.*

PROFESSOR LOEWENSTEIN.

A pragmatic approach to the causes and manifestations of the present world revolution, focusing on the political transformation under way in the various states and on the correlation of social structure and political organizations. Major attention will be paid to important political documents. One three-hour seminar each week. *Elective for Juniors with the consent of*

*the instructor; limited to fifteen students with the consent of the instructor. First semester.*

46. THE ORGANIZATION OF THE INTERNATIONAL SOCIETY. 4 credit hrs.  
Professor LOEWENSTEIN.

A study of the political, economic, and social forces shaping international relations and their attempted solutions through international organization, with special emphasis on the United Nations and other methods of international cooperation. The course will be geared as closely as possible to current developments on the international scene. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor; limited to twenty students. Second semester.*

48. PROBLEMS IN PUBLIC ADMINISTRATION. Professor LATHAM. 4 credit hrs.

Selected topics in the politics of public administration. One two-hour classroom meeting a week. *Elective for Juniors. Limited to twenty-five students with the consent of the instructor. Second semester.*

55. AMERICAN POLITICAL THEORY. Mr. FENNO. 3 credit hrs.

A survey of major ideological conflicts in American thought from colonial times to the present, with emphasis upon the evolving concept of American democracy. Special attention to democratic and anti-democratic assumptions embodied in radical, liberal, conservative, and socialist theories of state and society as they have appeared in America. Where appropriate, the relation between American and European political theory will be considered. Alternates with Political Science 27. Three hours of classroom work per week. *Elective for Juniors with the consent of the instructor. First semester. (Omitted 1954-55.)*

57. HISTORY OF POLITICAL THOUGHT. Professor SHERMAN. 4 credit hrs.

A study of political thought from the Greeks to Rousseau. (Same course as History 57.) Three hours of classroom work per week. *Elective for Juniors. Limited to twenty-five students. First semester.*

58. MODERN POLITICAL THEORY. Mr. FENNO. 4 credit hrs.

The mainstream of political thought, European and American, in the nineteenth and twentieth centuries: Liberalism, conservatism, democracy, socialism, communism, fascism, the recent controversy over economic planning and economic reconstruction for democratic survival. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

71S. PUBLIC OPINION AND PROPAGANDA. Professor LATHAM. 4 credit hrs.

A study of the role and influence of public opinion and propaganda in democratic and totalitarian political systems. Topics will include the place

of public opinion in political theory, propaganda warfare in international politics, party propaganda in American campaigns and elections, the activities of the opinion industries, the public relations of business, religious, farm, labor, and patriotic organizations, public opinion measurement and censorship. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

73-74. INTRODUCTION TO JURISPRUDENCE.

4 credit hrs.

Professor LOEWENSTEIN.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analysis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. One three-hour seminar each week. *Elective for Seniors. (Omitted 1954-55.)*

79-80. HONORS COURSE. The Department.

6 credit hrs.

*Elective for Seniors who have satisfied the necessary requirements. First and second semesters.*

## Psychology

Professor KOESTER; Associate Professor COPLIN;

Assistant Professor GROSE; Mr. BIRNEY.

A major in psychology consists of either (1) thirty credit hours of work in psychology, or (2) a combination of twenty-two hours in psychology and eight hours in related fields.

Interdepartmental majors may be elected in psychology-biology and psychology-philosophy.

Honors work in the department consists of the following: 1) in his junior year the student prepares himself for psychological research by taking the junior honors course designed for this purpose; 2) in his senior year the student undertakes a research project and participates in a seminar designed to broaden his understanding of psychological analysis and findings. *Psychology 21 must be elected in the sophomore year by the student planning to do honors work in the department.*

21. INTRODUCTION TO PSYCHOLOGY. Professor KOESTER.

4 credit hrs.

An analysis of human behavior and experience in terms of concepts and general principles formulated on the basis of findings obtained by a variety of psychological methods. One of the major objectives of the course is the

introduction of the student to procedures that are being used in the attempt to develop a scientific body of psychological knowledge. Emphasis will be placed upon the contributions of psychology to an understanding of those factors which significantly influence the development of human personality. Three class meetings and one additional session per week for a discussion of course material and a study of methods used in psychological analysis. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO PSYCHOLOGY. PROFESSOR KOESTER. *4 credit hrs.*

Same course as Psychology 21. *Elective for Sophomores. Second semester.*

22S. SOCIAL PSYCHOLOGY. MR. BIRNEY. *3 credit hrs.*

A psychological analysis of man's behavior with emphasis upon social and cultural influences. Attention will also be given to various aspects of group behavior. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

24. DEVELOPMENTAL PSYCHOLOGY. MR. BIRNEY. *3 credit hrs.*

A study of the development of the most important aspects of behavior from birth to old age. The typical course of development and the factors which influence development are considered concurrently. Major emphasis is placed on problems of development in childhood and adolescence. Three class meetings per week. Requisite: Psychology 21. *Elective for Sophomores. Second semester.*

41S. ABNORMAL PSYCHOLOGY. PROFESSOR COPLIN. *3 credit hrs.*

A study of the major classes of psychological disorder, based on experimental and clinical findings. Particular attention is given to the causes and underlying mechanisms of the various abnormalities. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors, and, with the consent of the instructor, for Sophomores. Second semester.*

42S. EDUCATIONAL PSYCHOLOGY. PROFESSOR GROSE. *3 credit hrs.*

A psychological analysis of the educational process. The course is designed both for the prospective teacher and those who have a general interest in the field of education. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

44. PSYCHOLOGICAL TESTS AND MEASUREMENTS. *3 credit hrs.*  
PROFESSOR GROSE.

An introduction to the basic principles of psychological tests and measurements used in research and in various areas of applied psychology. Attention will be given to the construction, administration, and interpretation of representative group and individual tests of intelligence, per-

sonality, aptitude, and achievement. Two class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

45. EXPERIMENTAL DESIGN AND STATISTICAL ANALYSIS. 3 credit hrs.

Professor GROSE.

A study of basic considerations concerning the design of psychological experiments and an introduction to the statistical methods commonly employed in the analysis of psychological research data. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

46. PSYCHOLOGY OF PERSONALITY. PROFESSOR KOESTER. 4 credit hrs.

An advanced course dealing with the organization and development of personality. One two-hour seminar each week. Requisite: Psychology 21 and 51. *Elective for Juniors with the consent of the instructor. Limited to fifteen students. Second semester.*

48. GENERAL PSYCHOLOGY. PROFESSOR GROSE. 4 credit hrs.

A study of selected problems in the field of general psychology with emphasis upon major experimental findings and general principles. The problems will be selected from areas such as sensation, perception, motivation, learning, etc. Some attention will be given to the neural foundations of psychological activity. Three class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

51. PSYCHOLOGICAL VIEWPOINTS AND THEORY. 4 credit hrs.

Professor Koester.

A study of significant viewpoints concerning objectives and methods of psychological investigation and an analysis of important theoretical contributions to an understanding of behavior and experience, including a systematic survey of psychoanalytical concepts. One two-hour seminar each week. Requisite: Psychology 21. *Elective for Juniors with the consent of the instructor. Limited to fifteen students. First semester.*

70. JUNIOR HONORS. The Department. 2 credit hrs.

A weekly analysis of selected research findings with special emphasis upon the design and interpretation of research projects and the discovery of new research possibilities. In addition, the student will be expected to formulate a research project and to present plans for undertaking the project during his senior year. Requisites: Psychology 21, 45. *Elective for Juniors. Second semester.*

72S. MARRIAGE AND THE FAMILY. PROFESSOR COPLIN. 1 credit hr.

An introduction to marriage and the family with emphasis upon psy-

chological, biological, and sociological findings. One class meeting per week. *Elective for Seniors. First semester.*

79-80. SENIOR HONORS. The Department.

6 credit hrs.

The student undertakes an individual research project. A substantial amount of preliminary data must be obtained during the first semester. The project is completed during the second semester. In addition, honors students participate in a seminar designed to broaden their understanding on psychological analysis and findings. *Elective for senior honors students. First and second semesters.*

## *Public Speaking*

Professor GARRISON

*Note:* Public Speaking 42 and 44 may be elected by students who have not taken Public Speaking 41 and 43.

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21. FUNDAMENTALS OF ORAL EXPRESSION.

1 credit hr.

Professor GARRISON.

One hour of classroom work per week. *Required of Sophomores. First semester.*

22. FUNDAMENTALS OF ORAL EXPRESSION.

1 credit hr.

Professor GARRISON.

One hour of classroom work per week. *Required of Sophomores. Second semester.*

41. EXTEMPORANEOUS SPEAKING; TECHNIQUES AND TYPES OF SPEAKING.  
PSYCHOLOGY OF PERSUASION.

3 credit hrs.

Professor GARRISON.

Requisite: A grade of "B" in Public Speaking 21-22 and the consent of the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. First semester. (Omitted 1954-55.)*

42. EXTEMPORANEOUS SPEAKING; TECHNIQUES AND TYPES OF SPEAKING.  
PARLIAMENTARY PROCEDURE.

3 credit hrs.

Professor GARRISON.

A continuation of Public Speaking 41. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. Second semester. (Omitted 1954-55.)*

43. ARGUMENTATION AND THE FORMS OF PUBLIC ADDRESS. *4 credit hrs.*  
 PARLIAMENTARY PROCEDURE.  
 PROFESSOR GARRISON.

A critical study of techniques effective in persuasion; oral and written composition. Requisite: A grade of "B" in Public Speaking 21-22 and the consent of the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to fifteen students. First semester.*

44. ARGUMENTATION AND THE FORMS OF PUBLIC ADDRESS. *4 credit hrs.*  
 PROFESSOR GARRISON.

A study of the application of behavioristic and Aristotelian techniques; oral and written composition. Three hours of classroom work per week. *Elective for Juniors; limited to fifteen students. Second semester.*

## *Religion*

PROFESSOR MARTIN and Mr. SANDERS

All courses in religion may count towards a major, which shall consist of Religion 21, 22, Introduction to Religion, and six additional semester courses in religion or related studies approved by the Department.

Of these six additional courses at least three must be courses in religion, and it is recommended that they include Philosophy 43, 44, History of Philosophy.

Students definitely committed to a pre-theological course are not encouraged to major in religion, though they should take at least one basic course in the field.

Honors in religion shall consist of the Conference Course Religion 79, 80 taken in conjunction with a major in religion; satisfactory fulfillment of the general honors requirements of the college; satisfactory performance in written comprehensive examinations on the history of religious traditions and on Bible, Philosophy of Religion, or Comparative Religion; and the preparation and oral defense of a scholarly essay on a topic approved by the Department.

21. INTRODUCTION TO RELIGION, PROFESSOR MARTIN. *4 credit hrs.*

The origins and nature of religion. Basic beliefs and practices of Confucianism, Hinduism, Buddhism and Judaism as reflected in their scriptures and institutions. May be elected to fulfill part of the sophomore Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

## 22. INTRODUCTION TO RELIGION. PROFESSOR MARTIN. 4 credit hrs.

The Christian heritage as reflected in the New Testament and the Christian classics. Basic Catholic and Protestant doctrines and practices. Religion and the modern mind: modernism, humanism, and the new orthodoxy. May be elected to fulfill part of the sophomore Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

## 23. THE OLD TESTAMENT. MR. SANDERS. 4 credit hrs.

Foundations of the Hebrew-Christian tradition in the literature and life of the Old Testament. May be elected to fulfill part of the sophomore Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

## 24. THE NEW TESTAMENT. MR. SANDERS. 4 credit hrs.

Foundations of the Christian tradition in the literature and culture of the New Testament. May be elected to fulfill part of the sophomore Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

## 46. PHILOSOPHY OF RELIGION. 3 credit hrs.

(Same course as Philosophy 46.) Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1954-55.)*

## 48. RELIGION IN AMERICAN CULTURE. MR. SANDERS. 3 credit hrs.

A survey of the main religious traditions of America from Colonial times to the present, emphasizing the interaction of the churches and their environment and showing the role of Religion in the development of American culture. *Elective for Juniors. Second semester.*

## 49. CONTEMPORARY RELIGIOUS THOUGHT. PROFESSOR MARTIN. 3 credit hrs.

Analysis and comparison of the views of selected contemporary religious philosophers and theologians. (Same course as Philosophy 49.) Three hours of classroom work per week. *Elective for Juniors. First semester.*

## 79. CONFERENCE COURSE. The Department. 4-8 credit hrs.

Required of candidates for honors in religion. *Elective for Seniors with the consent of the instructors. First semester. (Minimum of 6 credit hours for honors candidates.)*

## 80. CONFERENCE COURSE. The Department. 4 credit hrs.

Required of candidates for honors in religion. *Elective for Seniors with the consent of the instructors. Second semester. (Minimum of 6 credit hours for honors candidates.)*

## *Science*

SCIENCE 1. Professors ARONS and BROWN in charge.

*4 credit hrs.*

A course in physical science and mathematics. The objectives of the course are: to show what is meant by a scientific concept and how scientists construct a conceptual scheme to obtain a deeper understanding of physical phenomena; to show how scientists work and reason and how such reasoning has led to discoveries which have influenced the development of our culture and the outlook of man toward the world around him; to impart some knowledge of physical laws and phenomena, particularly those which affect our everyday lives and actions.

To achieve these ends, no attempt is made to cover a wide range of subjects in the fields of physics and mathematics; rather, a limited number of subjects is studied with some care, so as to develop a more profound understanding than would otherwise be possible.

In physics, topics are selected from mechanics in such a way as to develop an understanding of the ideas which led to Newton's formulation of the laws of mechanics and the theory of gravitation and thence to indicate the impact which the Newtonian synthesis has had on the subsequent development of science and philosophy. Selected topics from electricity and optics are then introduced and, combined with the previously developed topics in mechanics, are used to show how we have arrived at our present conception of the structure of matter.

In mathematics, topics are selected from analytic geometry and calculus in such a way as to show how this science has arisen as a powerful independent discipline and how its tools, in turn, have profoundly influenced the development of physical science.

Mathematics, two hours; Physics, two hours; Laboratory, two hours.  
*Required for Freshmen. First semester.*

SCIENCE 2. Professors ARONS and BROWN in charge.

*4 credit hrs.*

The second semester of the course outlined above under Science 1.

Mathematics, two hours; Physics, three hours; Laboratory, two hours.  
*Required for Freshmen. Second semester.*

Staff Professors ARONS, BENSON, BREUSCH, BROWN, CROWELL, LINNELL, NICOL, SOLLER \*, and SPRAGUE †; Messrs. PARK, TOMBER, TOWNE, WILLCOX.

21. CHEMISTRY-BIOLOGY SEQUENCE. CHEMISTRY.

*4 credit hrs.*

Professors BEEBE, CANNON, WHITNEY, and GRAHAME; Mr. ROBISON.

A study of substances, their structure, their properties and the reactions by which they are converted into other substances. Attention is

\* Absent on leave, second semester, 1954-55.

† Absent on leave, first semester, 1954-55.

given to the orientation of chemistry toward physics, biology and the other related sciences. Three hours classroom and four hours laboratory work per week. (Same course as Chemistry 21.) Requisite: Science 2. *Elective for Sophomores. First semester.*

22. CHEMISTRY-BIOLOGY SEQUENCE. GENERAL BIOLOGY. 4 credit hrs.  
Professors KIDDER and YOST.

An introduction to biological principles integrated with the first semester chemistry which is arranged as part of a program of liberal study. Four classroom hours and two hours of laboratory work per week. (Same course as Biology 22.) *Elective for Sophomores. Second semester.*

- 23-24. EVOLUTION OF THE EARTH AND MAN. 4 credit hrs.  
Professors BAIN, GREEN, PLOUGH, SAGE, SCHOTTE', WOOD (Chairman), and YOST; Messrs. BROPHY, ELLIS, and HEXTER.

A review of the evolution of the earth and the changing landscape, particularly in relation to the appearance and history of living organisms. This leads to a study of the appearance of the human line, and the evolution of man with his developing cultures. Four classroom hours and two hours laboratory work per week. (Same course as Biology 23-24.) *Elective for Sophomores. First and second semesters.*

42. HISTORY OF SCIENCE AND TECHNOLOGY. 3 credit hrs.  
Professor GREEN.

The development of scientific thought and method in the physical sciences, and the development of technology in physical science. Emphasis will be placed on the period from the fifteenth century to modern times. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

### *Spanish*

Assistant Professor JOHNSON; Mr. STURCKEN.  
Assistants: Messrs. CASTRO and QUINTANA.

*Note: Major with honors.* The honors major consists primarily in a program of extensive reading in the major authors of the last four centuries, and is intended also to provide a general knowledge of the development of Spanish literature since the end of the Middle Ages. Candidates will normally take the courses numbered 7, or 7S (8), 10, 21, 22, 24, 25, 26, 42. In exceptional cases and with the consent of the Department, a related course in another department may be substituted for the eighth course in Spanish. All course elections are made in consultation with a representative of the Department, and the course program may be adjusted in special cases. At the end of the final semester each candidate will take two three-hour examinations, one consisting mainly of essay questions (to one of which the answer must be written in Spanish), the other involving critical

interpretation of text. Recommendations for the various grades of degree with honors will be made on the basis of (1) the honors examinations, (2) the student's general average in all his work in the department.

*Major for students not candidates for the degree with honors.* The major must include thirty credit hours, not counting courses 1 and 3. Eight of these credits may be in approved courses outside the Department.

*Combined major in two languages.* For a student whose primary language is Spanish, the major must include twenty credit hours in Spanish, not counting courses 1, 3 and 5; in the second language it must include ten credit hours, of which at least three must deal with literature.

*Requirements for Sophomores in Humanities.* The following courses are approved as satisfying the Humanities requirement in sophomore year. Any course or combination of courses (numbered above 5, except Spanish 10) giving 4 credit hours.

1. ELEMENTARY COURSE.

4 credit hrs.

Mr. STURCKEN and Assistants.

Grammar, pronunciation, oral practice. This course will meet three hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE.

4 credit hrs.

Mr. STURCKEN and Assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. Mr. STURCKEN and Assistants.

4 credit hrs.

Same description as above. Requisite: Spanish 1, or the equivalent. *Elective for Freshmen. Second semester.*

5. ADVANCED COURSE.

4 credit hrs.

Professor JOHNSON and Assistants.

Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for oral practice and discussion. Stress will be placed on the acquisition of aural comprehension of the language and oral drill. Conducted as far as possible in Spanish. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. First semester.*

- 5S. ADVANCED COURSE. MR. STURCKEN and Assistants. 4 credit hrs.

Same description as above. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. Second semester.*

7. INTRODUCTION TO HISPANIC LITERATURE. 4 credit hrs.  
Professor JOHNSON.

This course will meet five hours per week; three hours for the reading and discussion of some representative works and authors. Two hours in small sections for oral and aural practice in the active use of the Spanish language. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. First semester.*

- 7S. INTRODUCTION TO HISPANIC LITERATURE. 4 credit hrs.  
Professor JOHNSON.

Same description as above. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

10. ADVANCED COMPOSITION and CONVERSATION. 4 credit hrs.  
The Department.

Practice in free composition and set translation into Spanish; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of Spanish for further study or for teaching the language. Requisite: Spanish 5 or the consent of the instructor. Three class and two laboratory hours per week. *Elective for Freshmen. Second semester in alternate years. (Omitted 1955-56.)*

21. READINGS IN SPANISH LITERATURE SINCE 1800. 4 credit hrs.  
Mr. STURCKEN.

This course will meet three times a week to study approximately six representative novels and plays and some poetry, and their relation to the main literary trends of recent times. Limited to 25 students. Requisite: Spanish 7 or Spanish 7S (8). *Elective for Sophomores. First semester in alternate years. (Omitted 1954-55.)*

22. READINGS IN SPANISH AMERICAN LITERATURE SINCE 1800. 4 credit hrs.  
Mr. STURCKEN.

This course will meet three times a week to study selected works of outstanding merit and their relation to the development of Spanish American culture. Limited to 25 students. Requisite: Spanish 7 or Spanish 7S (8). *Elective for Sophomores. Second semester in alternate years. (Omitted 1954-55.)*

## 24. POETRY.

2 credit hrs.

This course will meet twice a week to read and discuss examples of Spanish verse. Particular emphasis will be placed upon Rubén Darío and the Modernistas. Requisite: Spanish 7 or Spanish 7S(8). *Elective for Sophomores. Second semester in alternate years. (Omitted 1954-55.)*

## 25. GOLDEN AGE PROSE, POETRY, and DRAMA. MR. STURCKEN. 4 credit hrs.

This course will meet three hours per week for extensive reading in such authors as Juan Manuel, Garcilaso, Fray Luis de León, Quevedo, Góngora, Lope de Vega, Tirso de Molina, Calderón. Recommended for students planning to take the Cervantes course. Limited to 25 students. Requisite: Spanish 7 or Spanish 7S (8). *Elective for Sophomores. First semester in alternate years. (Omitted 1955-56.)*

## 26. CERVANTES. PROFESSOR JOHNSON.

4 credit hrs.

This course will meet three hours per week to study the major prose works of Cervantes and their relation to the literature of the Golden Age. Emphasis on *Don Quijote de la Mancha*. Limited to 25 students. Requisite: Spanish 7 or Spanish 7S (8). *Elective for Sophomores. Second semester in alternate years. (Omitted 1955-56.)*

## 27. HISPANIC AUTHORS. PROFESSOR JOHNSON.

1 credit hr.

The author to be studied in this course will be determined each year by the instructor in charge. For 1954-55: Lorca and the Spanish Ballad. Requisite: Spanish 7 or Spanish 7S (8), or the permission of the instructor. *Elective for Sophomores. First semester.*

## 28. HISPANIC AUTHORS. MR. STURCKEN.

1 credit hr.

The author to be studied in this course will be determined each year by the instructor in charge. For 1954-55: Jacinto Benavente. Requisite: Spanish 7 or Spanish 7S(8), or the permission of the instructor. *Elective for Sophomores. Second semester.*

## 42. ADVANCED READINGS IN SPANISH LITERATURE.

4 credit hrs.

The Department.

The content of this course will be determined each year by the instructor in charge. Requisite: The consent of the Department. *Elective for Juniors. Second semester.*

## 79-80. CONFERENCE COURSE FOR HONORS CANDIDATES.

4 credit hrs.

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### III

*Lectureships, Honors, Fellowships, Prizes  
and Awards*

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# Lectureships

## THE HENRY WARD BEECHER LECTURESHIP

This lectureship fund of \$10,000 was founded by the late Frank L. Babbott, LL.D., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

## THE CLYDE FITCH FUND

A fund of \$20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

## THE JOHN WOODRUFF SIMPSON LECTURESHIP

A fund now amounting to \$192,300 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

## THE REYNOLDS FUND

A fund now amounting to approximately \$137,000 was established by the late George W. Reynolds of the Class of 1877. Part of the income is accumulated each year and added to the fund. The remainder is available for lectures at the College in the fields of religion and of science.

## THE CHARLES E. MERRILL LECTURESHIP

An expendable fund of \$10,000 was given by Charles E. Merrill of the Class of 1908 for a series of lectures and formal discussions on applied economics. Upon delivery, these lectures become the property of Amherst College for publication.

As in previous college years, a number of Merrill Lectures will be brought to the College during 1954-1955 from the fields of government, business, labor, and agriculture.

# Honors

## THE PHI BETA KAPPA SOCIETY

The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership in the society is extended to about a tenth of the students in each class.

### *Officers*

*President:* NEWTON F. McKEON, JR., '26

*Vice-President:* PAUL D. BARTLETT, '28

*Secretary-Treasurer:* BRUCE B. BENSON, '43

*Undergraduate President:* RALPH G. ALLEN, '55

*Undergraduate Secretary-Treasurer:* DAVID M. LEMAL, '55

### *First Election, Class of 1955*

Ralph Gilmore Allen  
Robert Fagles  
Edwin Trent Florance  
Mark Richard Hanschka

David Markham Lemal  
Frank Dewey Mayer, Jr.  
Michael Daniel Robbins, Jr.  
Ronald Eric Wyn

### *Second and Third Elections, Class of 1954*

John Hunter Armstrong  
Charles Howard Barnaby  
James John Barnes  
Robert Noel Benneyan  
Thomas Harold Blackburn  
Frederick Copeland Bryant, Jr.  
Edward Winslow Corson  
Irwin Frederick Deutsch  
John Thomas Ewing  
Adam George Gebauer  
Richard Norton Kaplan  
Donald Allan Bror Lindberg  
David Franklin Lundeen  
Walter Millis III

Matthew Palmer Mitchell  
Stephen Bergel Oresman  
Carl Meyer Pellman  
Giovi Perez  
Jon Kenneth Rosenthal  
John C. Sherman  
Hugh Reber Silbaugh, Jr.  
David Robert Lusby Simpson  
Irwin Morton Spiegelman  
Edward Washburn Spofford  
Clifford Beekman Storms  
William Wilson Taft  
Edward William Tayler

## THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. The Society has as one of its purposes to give recognition to those students, members of the faculty, and research associates who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability may be recommended to associate membership by the departments concerned. In the case of undergraduates, nomination will be given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades). At present the chapter has a total membership of some 85 faculty and students.

*Officers*

*President:* PROFESSOR WARREN K. GREEN

*Vice-President:* PROFESSOR BAILEY BROWN

*Secretary-Treasurer:* PROFESSOR ROBERT F. GROSE

*Initiates—1954**To Full Membership*

Carl H. Amberg

John F. Ellis

Francis X. Fellers

David B. Kitts

Lawrence S. Kubie

*To Associate Membership*

Charles H. Barnaby

William A. Bassett

Robert N. Bennehan

Craig C. Black

Hereward S. Cattell

John M. Freeman

Samuel P. Gotoff

Roderick Gould

Raymond B. Hanselman

Robert H. Hornberger

Richard N. Kaplan

David M. Lemal

Simmons Lessell

Donald A. Lindberg

Duncan A. McIntosh

Hilary M. Norman

J. Michael Patten

Carl M. Pellman

Giovi Perez

Robert H. Schapiro

Hans W. Schreiber  
Richard L. Soffer  
Irwin M. Spiegelman

Raymond W. Turner, Jr.  
David G. Underwood, II  
Donald F. Winter

### THE BOND FIFTEEN

From the fifteen Seniors who have attained the highest general standing at the end of the first semester of senior year, two speakers are selected upon the basis of literary and oratorical merit to deliver orations at the Class Day Exercises. The Bond Prize of one hundred dollars is awarded to the speaker who delivers the best oration.

#### *The Bond Fifteen, 1954*

Charles Howard Barnaby  
James John Barnes  
Thomas Harold Blackburn  
Frederick Copeland Bryant, Jr.  
Norman Siegfried Fieleke  
Roderick Gould  
Charles Morrow Grimstad  
Carl Meyer Pellman  
Giovi Perez  
Robert Harris Schapiro  
Martin Charles Scham  
Richard Lubert Soffer  
Irwin Morton Spiegelman  
Stephen Carr Whitmore  
Donald Ferguson Winter

## Fellowships

The College's funds for fellowships aggregate \$443,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College, and in some instances to graduates of other colleges, for study in graduate or professional schools. Applications should be made in writing to the Dean before March first.

*The names of those to whom fellowships have been awarded for the current year will be found on page 13.*

### THE AMHERST MEMORIAL FELLOWSHIPS FOR THE STUDY OF SOCIAL, ECONOMIC, AND POLITICAL INSTITUTIONS, AND FOR PREPARATION FOR TEACHING AND THE MINISTRY

A fund of \$110,100 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

#### THE HENRY P. FIELD FELLOWSHIPS

Two fellowships of \$500 each are available from the income of the bequest of the late Henry P. Field of the class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

#### THE EDWARD HITCHCOCK FELLOWSHIP

The income from a fund of \$20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N. Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

#### THE ROSWELL DWIGHT HITCHCOCK MEMORIAL FELLOWSHIP

A fund of \$7600, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

#### THE RUFUS B. KELLOGG UNIVERSITY FELLOWSHIP

The income from a fund of \$48,700 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The Faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or, with the approval of the said Faculty, at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

#### THE EDWARD POOLE LAY FELLOWSHIP

A fund of \$33,200, established by Frank M. Lay, of the class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the class of 1922. The income from the fund provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

#### THE JAMES INGRAM MERRILL AWARD

A fellowship of \$1,000 is available for a member of the graduating class or a recent alumnus who has done outstanding work in the field of English to assist him in graduate study at a University of his choice. The award may be made for either scholarly promise or for ability in creative writing. The award is to be made by the Fellowship Committee upon recommendation from the English Department.

#### THE FORRIS JEWETT MOORE FELLOWSHIPS

These fellowships, three in number, were established in memory of Forris Jewett Moore of the class of 1889 by his widow, Emma B. Moore.

In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of \$20,400, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate and desires to engage in further study of that subject, preference to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of \$13,700, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate and desires to engage in further study of that subject.

3. A fund of \$16,900, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of philosophy while an undergraduate and desires to engage in further study of that subject.

#### THE GEORGE A. PLIMPTON FELLOWSHIPS

These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936 and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

#### THE SHERMAN PRATT FACULTY FELLOWSHIPS FOR STUDY ABROAD

These fellowships are awarded by the President of the College to younger members of the Amherst Faculty, on the basis of past performance in teaching and scholarship and programs for further study. The stipends may be fixed in such amount as the President may determine. Each holder of a Sherman Pratt Fellowship will be expected on his return to the College to deliver to the college body one or more lectures.

#### THE JOHN WOODRUFF SIMPSON FELLOWSHIPS AND LECTURESHIPS

A fund now amounting to \$192,300 was established in memory of John Woodruff Simpson of the class of 1871, by his wife and daughter. The uses of the income as defined by the donors are as follows:

"1. To award to any graduate of Amherst College a fellowship for use

in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

#### FELLOWSHIPS AWARDED BY THE AMERICAN SCHOOLS OF CLASSICAL STUDIES AT ATHENS AND ROME

The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any classical teacher at the College.

## Prizes and Awards

The following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications. The recipients of awards for the previous year are named in each case.

### *Art*

*THE ANNA BAKER HEAP PRIZE*, from the income of a fund of \$1,600, established by the late Arnold N. Heap of the class of 1873; \$75 is awarded to that Senior who submits the best essay in the field of "Art."

No award

### *Biology and Geology*

*THE HARVEY BLODGETT SCHOLARSHIP*, from the income of a fund of \$2,300, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases: combined with

*THE PHI DELTA THETA SCHOLARSHIP*, from the income of a fund of \$500, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology.

(The two preceding scholarships usually are combined, with a single award of \$135.)

JACK BRAUNWALD, '54

### *Chemistry and Medicine*

*THE HOWARD WATERS DOUGHTY PRIZE*, from the income of a fund of \$1000, given anonymously; \$45 is awarded to that member of the junior class who, in the opinion of the chemistry department, is best qualified to undertake an honors program.

DAVID MARKHAM LEMAL, '55

*THE FRANK FOWLER DOW PRIZES*, part of the income from a fund established by Fayette B. Dow, '04, in memory of his father; \$300 is awarded to a member or members of the junior or senior class preparing

to enter medical school, and whose undergraduate work indicates a career of usefulness and distinction in medicine.

RICHARD LUBER SOFFER, '54

### *Dramatics*

*THE RAYMOND KEITH BRYANT PRIZE*, an annual gift of \$25 from Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant, of the class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play.

WILLIAM HENRY FRANCISCO, '55

### *Economics*

*THE W. T. AKERS, JR. PRIZE* of \$50, provided by an annual gift from W. T. Akers, Jr., of the class of 1927, is awarded to that member of the junior or senior class who has, in the opinion of the economics department, written and submitted the best paper on some topic connected with insurance.

BURTON KAY WERNER, '54

### *English*

*THE ARMSTRONG PRIZE*, from the income of a fund of \$2,500, established in part by Collin Armstrong of the class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of \$60 to members of the freshman class who excel in composition.

Divided equally between

ROBERT ELY BAGG, '57

GEORGE EDWARD KOSKI, '57

*THE COLLIN ARMSTRONG POETRY PRIZE*, from the income of a fund of \$2,500, established in part by Mrs. Elizabeth H. Armstrong; \$60 is awarded to the undergraduate author of the best original poem or group of poems.

WILLIAM LAWRENCE VELTON, '56

*THE CORBIN PRIZE*, from the income of a bequest of \$1000 established by the estate of William Lee Corbin of the Class of 1896; \$45 is awarded

for an outstanding original composition in the form of poetry or an informal essay.

Divided equally between

ROBERT WORTHINGTON GARDINER, '54

MATTHEW PALMER MITCHELL, '54

*THE JOHN FRANKLIN GENUNG PRIZE*, of \$50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition.

WALTER MILLIS, III, '54

*THE HARRY RICHMOND HUNTER, JR. PRIZE*, from the income of a fund of \$1,300, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the class of 1929; \$50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department.

ROBERT MARKHAM BALL, '56

*THE RALPH WALDO RICE PRIZE*, from the income of a fund of \$1,600, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the class of 1910; \$75 is awarded for the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty.

No award

### *Greek*

*THE WILLIAM C. COLLAR PRIZE*, from the income of a fund of \$1,300 established by the late William C. Collar of the class of 1859; \$60 is awarded to that member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author.

CLIFFORD JOHN RONAN, '57

*THE HUTCHINS PRIZE*, from the income of a fund of \$1,300, established by the late Waldo Hutchins of the class of 1842; \$60 is awarded to the best scholar in Greek at the end of the junior year. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates.

WILLIAM WALLACE CROOK, '55

*THE HARRY DE FOREST SMITH SCHOLARSHIP*, of \$600, is awarded to a member of the freshman class enrolled in one of the regular courses in the department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his entrance to college. Students who have had either two or three years of Greek at school are eligible for this scholarship.

JOHN PATRICK SWEENEY, JR., '58

### *Journalism*

*THE SAMUEL BOWLES PRIZE*, from the income of a fund of \$3,400 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of \$165 is awarded to a student of the junior or senior class who has demonstrated proficiency in journalism. The income may be used from time to time for a scholarship or toward a lectureship.

CHARLES MORROW GRIMSTAD, '54

### *Latin*

*THE BILLINGS PRIZES*, from the income of a fund of \$1,200, established by Frederick Billings in memory of Parmly Billings of the class of 1884; two prizes of \$35 and \$20 are awarded for general excellence in the Latin courses of the Sophomore Year together with the best essays on special topics connected with the authors read in that year.

First Prize

JAMES JUSTENSEN WHITE, '56

Second Prize

Divided equally between

GEORGE VLADIMIR BOBRINSKOY, JR. '55

WILLIAM WALLACE CROOK, '55

*THE CROWELL PRIZES*, from a fund of \$2100 in memory of Edward Payson Crowell of the class of 1853; prizes of \$30 and \$20 are awarded for the highest scholarship in the freshman Latin courses; prizes of \$30 and \$20 are awarded to the students who, together with attaining a high average in the Latin courses of the Junior Year, present the best essays on some approved topic connected with the junior Latin course.

Freshman Award

Divided equally between

CHAUNCEY DELPHIN HOWELL, JR., '57

MICHAEL BUCKLEY WRAY, '57

No Junior Award

*THE BERTRAM PRIZES*, from the income of a fund of \$2,100, established by the late John Bertram of Salem; two prizes of \$60 and \$40 each are awarded to those students who, together with attaining a high average in the Latin courses of the Senior Year, present the best essays on some approved topic connected with these courses.

No award

### *Mathematics, Physics, and Astronomy*

*THE PORTER PRIZES*, from the income of a fund of \$600, established by the late Eleazer Porter of Hadley; two prizes of \$15 each are awarded for proficiency in first year physics and astronomy respectively.

#### *Physics*

KONG-KI MIN, '57

#### *Astronomy*

No award

*THE WALKER PRIZES*, from the income of a fund of \$6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of \$85 and \$45 are awarded for proficiency in mathematics of the first year, and two prizes of \$110 and \$50 for proficiency in mathematics of the second year. In each case the award is determined by an examination.

#### *First Year*

##### First Prize

JAMES FREDERICK MOLLENAUER, '57

##### Second Prize

ROBERT AVERY SHORE, '57

#### *Second Year*

##### First Prize

KONG-KI MIN, '57

##### Second Prize

VAN DOORN OOMS, '56

### *Philosophy and Religion*

*THE MOSELEY PRIZES*, from the income of a fund of \$7,300, established by the late Thomas W. H. Moseley of Hyde Park; two prizes of \$230

and \$120 are awarded to members of the senior class for the best essays on a subject approved by the Department of Philosophy and Religion.

First Prize

ROBERT GORDON BLAKESLEY, '54

Second Prize

No award

*Physical Education*

*THE SAWYER PRIZES*, from the income of a fund of \$1,900, established by the late Edmund H. Sawyer, hon. 1878; \$90 is available for prizes for excellence in the department of Physical Education.

*Senior Class*

STEPHEN CARR WHITMORE, '54

*Sophomore Class*

JOHN STEWART BURLINGHAM, '56

*Political Science*

*THE DENSMORE BERRY COLLINS PRIZE IN POLITICAL SCIENCE*, of \$100, given annually by Miss Margaret S. Densmore in memory of her nephew Densmore Berry Collins, of the class of 1940. The award will be made to the student submitting the best honors thesis in Political Science.

MARTIN CHARLES SEHAM, '54

*Public Speaking*

*THE BANCROFT PRIZES*, of \$200 and \$100, from the income of a fund of \$6,200 established by the late Frederic Bancroft of the class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards.

First Prize

DAVID REUBEN GOLDBERG, '54

Second Prize

Divided equally between

TYLER ABELL, '54

IRWIN FREDERICK DEUTSCH, '54

*THE BOND PRIZE*, from the income of a fund of \$2,300 established by the late Ephraim W. Bond of the class of 1841; \$110 is awarded for the

best production spoken at the Senior Chapel service. The award is determined by a committee appointed by the Trustees upon nomination by the Faculty.

MARTIN CHARLES SEHAM, '54

*THE HARDY PRIZES*, from the income of a fund of \$1,200, established by the late Alpheus Hardy of Boston; prizes of \$35 and \$20 are awarded for excellence in extemporaneous speaking.

First Prize

THOMAS HAROLD BLACKBURN, '54

Second Prize

IRWIN FREDERICK DEUTSCH, '54

*THE KELLOGG PRIZES*, from part of the income of a fund of \$48,700, established by the late Rufus B. Kellogg of the class of 1858; two prizes of \$60 each are awarded, one to a member of the sophomore class and one to a member of the freshman class, for excellence in declamation.

*Sophomore Class*

VAN DOORN OOMS, '56

*Freshman Class*

PETER LEE KLINE, '57

*THE ROGERS PRIZE*, from the income of a fund of \$1,200, given by Noah C. Rogers of the class of 1880; \$55 is awarded to a member of the junior class for excellence in debate.

Divided equally between

RICHARD GUENTHER DAVIS, '55

EUGENE GILKISON WANGER, '55

### *Scholarship and Citizenship*

*THE ADDISON BROWN SCHOLARSHIP*, from the income of a fund of \$6,000, established by the late Addison Brown of the class of 1852; \$290 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore, and junior years.

RALPH GILMORE ALLEN, '55

*THE SAMUEL WALLEY BROWN SCHOLARSHIP*, from the income of a fund of \$6,000, established by the late Samuel Walley Brown of the class of 1866; \$290 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the

Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability.

VAN DOORN OOMS, '56

*THE FRANK A. HOSMER SCHOLARSHIP*, from the income of a fund of \$15,000 established by Frank A. Hosmer of the class of 1875; \$600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year.

ROBERT AVERY SHORE, '57

*THE PORTER ADMISSION PRIZE*, from the income of a fund of \$1,200, established by the late Eleazer Porter of Hadley; \$55 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst. The name of the successful candidate, together with that of his school, is published in the catalogue.

FREDERICK ROBINSON McREYNOLDS DEANE, '58  
EAST GRAND RAPIDS, MICHIGAN, HIGH SCHOOL

*THE PSI UPSILON PRIZE*, from the income of a fund of approximately \$4,800, established by the Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter; \$190 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be, in the terms of the Ancient Athenian oath,\* the "first citizen" of the College.

JAMES JOHN BARNES, '54

*THE JOHN SUMNER RUNNELLS MEMORIAL*, from the income of a fund of \$6,000, established in memory of John Sumner Runnells of the class of 1865; \$290 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preëminent in his zeal for knowledge and industry to attain it.

ALFRED SOMAN, '56

\* "I will not disgrace the soldier's arms, nor abandon the comrade who stands at my side; but whether alone or with many, I will fight to defend things sacred and profane. I will hand down my country not lessened, but larger and better than I have received it. I will accept readily and with understanding the verdicts of our judges, and I will obey the established laws and such other laws as the people may establish. If anyone shall attempt to overthrow the laws, I will not permit it, but whether alone or with many, I will fight to defend them; and I will honor the religion of our fathers. The gods attest this oath!"

*OBED FINCH SLINGERLAND MEMORIAL PRIZE*, from the income of a fund of \$10,800 established by an anonymous donor; \$525 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education; the award to be based upon demonstrated achievement with full consideration given to the external handicaps, financial and otherwise, under which his record was attained; in case of uncertainty the Trustees are to be guided by the example set by Obed Finch Slingerland.

ABE JOSEPH MOSES, '55

*THE STANLEY V. and CHARLES B. TRAVIS PRIZE*, from the income of a fund of \$2,300; established by the late Charles B. Travis of the class of 1864; \$110 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course.

Divided equally between

ADAM GEORGE GEBAUER, '54

DONALD FERGUSON WINTER, '54

*THE TREADWAY INTERFRATERNITY SCHOLARSHIP TROPHY*, a silver cup, given by Hon. Allen Treadway of the class of 1886, in memory of his son; Charles Denton Treadway, awarded to that fraternity or the group of all non-fraternity men which has attained the highest scholastic average during the previous academic year.

THE LORD JEFFERY AMHERST CLUB

*THE TRUSTEE TROPHY* is awarded each semester to the fraternity or social organization showing the greatest percentage of improvement academically during the previous semester.

1953-54

First Semester—CHI PHI

Second Semester—DELTA KAPPA EPSILON

*THE HOUSE MANAGEMENT COMMITTEE TROPHY* is awarded each year after the end of the first semester to the sophomore delegation of a fraternity or social organization having the best scholastic record for the semester, judgment of the record to be based equally on comparative scholastic standing and on percentage of improvement as against the preceding semester.

1953-54—PHI ALPHA PSI

*THE WOODS PRIZE*, an annual gift of \$60 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course.

Divided equally between

ADAM GEORGE GEBAUER, '54

DONALD FERGUSON WINTER, '54

### *Other Prizes*

*THE ASHLEY MEMORIAL TROPHY*, given by the Class of 1916 in memory of Thomas W. Ashley, '16, who was killed in action at Belleau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game."

THOMAS ROGER KNIGHT, '54

*THE HOWARD HILL MOSSMAN TROPHY*, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship.

ANTHONY SPENCER MAHAR, '54

*THE LINCOLN LOWELL RUSSELL PRIZE*, from the income of a fund of \$1,200 established by the late J. W. Russell, Jr. of the class of 1899 in memory of his son; \$55 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College.

ALAN FRANCIS SANDY, '54

*THE ROBERT E. BAUSER MEMORIAL AWARD* of a twenty-five dollar United States savings bond (or its equivalent), is given at the close of every academic year to that member of the Senior Class who, in the opinion of the senior board of Radio Station WAMF, has been of the greatest service in the operation and development of the station, during his tenure as station member. This award is sustained in perpetuity of Amherst College by the Alpha Chi Chapter of Phi Gamma Delta in memory of its brother, Robert E. Bauser, '54.

BURT WAGNER GRIFFIN, '54

## Degree Conferred January 30, 1954

### BACHELOR OF ARTS

#### *Rite*

John Hibbard Broadfoot

## Degrees Conferred April 24, 1954

### BACHELOR OF ARTS

#### *Rite*

Robert Sawyer Brinker

Robert Seymour Bushey

Robert Chin-Yao Ting

## Degrees Conferred June 13, 1954

### BACHELOR OF ARTS

#### *Summa cum Laude*

Norman Siegfried Fieleke

*Economics*

Carl Meyer Pellman

*Biology*

Martin Charles Seham

*Political Science*

Richard Lubor Soffer

*Chemistry*

Irwin Morton Spiegelman

*Biology*

Donald Ferguson Winter

*Mathematics and Astronomy*

#### *Magna cum Laude*

John Hunter Armstrong

*English*

Charles Howard Barnaby

*Mathematics*

James John Barnes

*History*

Robert Noel Benneyan

*Biology*

Thomas Harold Blackburn

*English*

Edward Winslow Corson, Jr.

*English*

Irwin Frederick Deutsch

*History*

John Thomas Ewing

*Political Science*

Adam George Gebauer

*Chemistry*

Roderick Gould

*Mathematics*

Charles Morrow Grimstad

*History*

Richard Norton Kaplan

*Biology*

Donald Allan Bror Lindberg

*Biology*

Walter Millis, III

*English*

Matthew Palmer Mitchell

*American Studies*

Stephen Bergel Oresman

*Economics*

Giovi Perez

*Mathematics*

Jon Kenneth Rosenthal

*Economics*

Robert Harris Schapiro

*Biology*

Hugh Reber Silbaugh, Jr.

*English*

David Robert Lusby Simpson

*French*

Edward Washburn Spofford

*English*

Clifford Beekman Storms

*English*

William Wilson Taft

*English*

Edward William Tayler

*English*

*Cum Laude*

Burton Albert

*American Studies*

Harry S. Allen, Jr.

*American Studies*

Carl Rufus Apthorp, III

*Spanish*

William Akers Bassett

*Geology*

William Alfred Bauer

*Psychology*

Jacob Bruce Baumann

*Chemistry*

Craig Call Black

*Biology*

Kenneth Allen Brown

*Biology*

Frederick Copeland Bryant, Jr.

*Biology*

Joseph Hankinson Carter, Jr.

*Biology*

Hereward Seagreave Cattell

*Biology*

Maurice Frederick Childs, Jr.

*Fine Arts*

Roger Howland Clapp

*American Studies*

Fred Austin Culver

*Political Science*

James Carroll Daugherty

*Economics*

Lee Wallace Dean, III

*Physics*

Seth Harris Dubin

*Political Science*

Haskell Edelstein

*Economics*

John Aten Elden

*History*

Gerald Martin Fendrick

*Chemistry*

William Howard Fisher, Jr.

*Biology*

John Mark Freeman

*Biology*

Andrew Geoffrey Galef

*Economics*

Richard Ross Gamble

*History*

David Reuben Goldberg

*American Studies*

Samuel Peter Gotoff

*Biology*

- |   |  |
|---|--|
| Gilbert English Gove<br><i>American Studies</i>     | Anthony Spencer Mahar<br><i>American Studies</i>   |
| Burt Wagner Griffin<br><i>Political Science</i>     | John Arthur Miller<br><i>Fine Arts</i>             |
| Raymond Bush Hanselman<br><i>Chemistry</i>          | James Alexander Nixon<br><i>Economics</i>          |
| Charles Andrew Hilgartner<br><i>Biology</i>         | Hilary Milord Norman<br><i>Physics</i>             |
| Robert Trudel Hodgen<br><i>History</i>              | Leon Morris Oxman<br><i>Chemistry</i>              |
| Robert Howard Hornberger<br><i>Psychology</i>       | Ralph Gibson Pagter<br><i>Economics</i>            |
| Robert McKee Hunziker<br><i>American Studies</i>    | Richard Steel Pastore<br><i>History</i>            |
| John Lower Ickler<br><i>Biology</i>                 | John Michael Patten<br><i>Geology</i>              |
| Thomas Shaeffer Jenkins<br><i>History</i>           | Peter Harry Pfund<br><i>History</i>                |
| David Owen Jones<br><i>Economics</i>                | Meredith Price<br><i>American Studies</i>          |
| Richard David Jordan<br><i>History</i>              | John Earl Purdy, Jr.<br><i>Economics</i>           |
| Roger Peabody Kambour<br><i>Chemistry</i>           | John Hancock Rassweiler<br><i>Chemistry</i>        |
| David Alan Kirsch<br><i>Political Science</i>       | Keith Hamilton Redner, Jr.<br><i>Mathematics</i>   |
| Elmer Bradford Lacey<br><i>History</i>              | Harry Quinn Rohde<br><i>History</i>                |
| Simmons Lessell<br><i>Biology</i>                   | Marshall Anthony Rutter<br><i>American Studies</i> |
| William Baird Leviston, Jr.<br><i>Economics</i>     | Hans William Schreiber<br><i>Geology</i>           |
| David Chase Linehan<br><i>Geology</i>               | John C. Sherman<br><i>Political Science</i>        |
| Thomas Malcolm Little<br><i>Political Science</i>   | Peter Frederick Sherwood<br><i>Mathematics</i>     |
| Maurice Alfred Longworth, Jr.<br><i>Mathematics</i> | Charles Mason Smith<br><i>Biology</i>              |
| David Franklin Lundeen<br><i>English</i>            | Vincent Francis Townsend<br><i>German</i>          |
| Duncan Ames McIntosh<br><i>Biology</i>              | Henry Tulgan<br><i>Biology</i>                     |

Raymond William Turner, Jr.

*Biology*

David Gleason Underwood, 2nd

*Psychology*

Norman Roland Vander Clute

*Political Science*

Eugene Julian Walter, Jr.

*Psychology*

Edwin Gaylord Warner, II

*History*

Fredric E. Weil

*Economics*

Burton Kay Werner

*Economics*

Frederic Philip Werner

*Political Science*

Stephen Carr Whitmore

*English*

William Elliot Whitney, Jr.

*Economics*

Guy Wyman Wilbor

*Economics*

William Warner Wilcox

*Biology*

Richard Martin Willemson

*Economics*

John Anthony Williams

*Economics*

### *Rite*

Tyler Abell

Robert Marshall Abrams

Keene Harwood Addington

John Herman Albrecht

Paul Benaglia Allodi

Melchior Peter Amacher

Brierly Wadsworth Anderson

Richard Coveney Edwards Anderson

Thomas Leonard Armstrong

Sanford Dent Beecher, Jr.

Robert Henry Belcher

David Roger Belevetz

Donald Crooker Bishop

Robert Gordon Blakesley

Walter Arnold Borden

William Dalton Bradford

Jack Braunwald

Dean Edward Butts

Edward Williams Campbell, Jr.

James William Clyne

Walton Greenleaf Congdon

Ronald Lynn Copsey

Herbert Randolph Coursen, Jr.

Robin Cracknell

Frederick Kehm Cressman, Jr.

Dermot Anthony Cronin

Matthew Henry Davidson, III

Robert Davison Dickerman

David Carrington Dobson

Philip Ross Eck

Alan David Engelsman

David Cameron Esty

John Stanley Ferguson

David Milton Frank

Russell Adams Freeman

William Alfred Friedlander

Robert Worthington Gardiner

Grant Frederick Glassbrook, Jr.

Peter Ames Goodhue

Robert Gordon, III

John Phillips Grant, Jr.

John William Hanselman

John Albert Hargreaves

Stephen Ives Hart

Carroll Sherlock Harvey, Jr.

Samuel Rohrer Hazlett

Thomas Francis Heffernan

Bradley Fowlkes Henke

Richard Cyril Higgins

Derrik Cutten Hoitsma

Bruce Finch Hollister

Graeme Keith Howard, Jr.  
David Glenn Huggins  
Peter Crow Hunter  
Paul Litchfield Hyde  
Julius Jensen, III  
David Norris Keast  
Jefferson Ward Keener, Jr.  
Austin Walsh Kenefick  
Peter Madsen Kling  
Thomas Roger Knight  
William Emmett Krueger  
Dean Merrill Laux  
Scott Carter Lea  
Jonathan Weiller Leigh  
Thomas West Lewis  
James Tyson McCabe  
John Bigelow McClay, II  
Douglas Donald McCormick  
Harry James McIntyre, Jr.  
Walter David Malcolm, Jr.  
Robert Paige Mason  
William Grimston Mead  
Edwin Farlee Melick  
Thomas Lee Mitchell  
Charles Edwin Nail, Jr.  
John Leonard Nichols  
Harold Samuel O'Brian, Jr.  
Robert Alfred O'Brien, Jr.  
Shigeru Okumura  
John Gillespie Orr  
Jon Franklin Oster  
Richard Weston Patton  
James Walker Pearson  
Stuart Alan Pennels  
Ralph William Peters, Jr.  
Oakes Ames Plimpton  
Richard Sumner Poor

Ralph Dewey Powell, Jr.  
Richard Craig Prentiss  
Lawrence Rayner, Jr.  
James Harrington Richardson  
Peter Marx Rogers  
Robert Loren Rotner  
Arthur Richard Roy, Jr.  
Nicholas Heath Safford  
Alan Francis Sandy, Jr.  
Dwight Morrow Scandrett  
John Charles Scherrer  
Robert Andrew Schneider  
William MacBride Shaner, Jr.  
Eugene William Spector  
Richard Clifford Sturtevant  
Thomas Linville Talbott  
Richard Edgar Talmadge  
Edward Sylvan Tank, Jr.  
David Ault Tapley  
Hampden Evans Tener  
William Foley Towle  
Reginald Finch Towner, Jr.  
Socrates Nicholas Tseckares  
George Sherlock Tulloch, Jr.  
Robert Stanton Van Wie  
Stewart Anderson VerNooy, Jr.  
Bruce Bennett Vester  
George Graham Watson, Jr.  
George Waite Weilepp  
James Eugene Weldon  
John Foreman Wells, Jr.  
Calvin Sherwood West, Jr.  
Jeffery William Wiegand  
John Henry Wilharm, Jr.  
Bourdette Rood Wood, Jr.  
William VanNeste Woodward  
Arnold George Zins

# Honorary Degrees Conferred June 13, 1954

## MASTER OF ARTS

James Monroe Brown, III, 1939

Albert Lyman Warner, 1924

## DOCTOR OF SCIENCE

MARSHALL H. STONE

Hubert Baker Goodrich, 1909

## DOCTOR OF HUMANE LETTERS

Stanley Ferdinand Teele, 1928

## DOCTOR OF DIVINITY

Robert Ira Blakesley, 1929

## DOCTOR OF LAWS

William McChesney Martin, Jr.

Leonard Carmichael

Dag Hammarskjöld

Medals for Eminent Service Awarded  
June 13, 1954

Leonard Page Moore, 1919  
Lowell Shumway, 1914

Degree Conferred October 23, 1954

BACHELOR OF ARTS

*Rite*

Winfield Scott Smyth

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## IV

### *Enrollment*

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# Enrollment

## FALL SEMESTER

1954-1955

### Graduate Students

Bonneville, Mary Agnes	<i>Pittsfield, Mass.</i>
Brocoum, James Constantine	<i>Whitestone, N. Y.</i>
Doherty, Richard Arthur	<i>Newport, Maine</i>
Grueninger, Walter Edward	<i>Palisade, N. J.</i>
Hilfer, Saul Robert	<i>Brooklyn, N. Y.</i>
Homma, Nagayo	<i>Tokyo, Japan</i>
Rotheim, Minna Beverly	<i>Corona, N. Y.</i>
Sakakibara, Yasuo	<i>Kyoto, Japan</i>
Takagi, Makoto	<i>Tokyo, Japan</i>
Ting, Robert Chin-Yao	<i>Hong Kong, China</i>
Zimmerman, Elbridge Carl	<i>Brunswick, Ohio</i>

### Senior Class

Ackell, Joseph James	<i>Amityville, N. Y.</i>
Alden, Thomas Hyde	<i>Swarthmore, Pa.</i>
Alder, Thomas Paterson	<i>Glencoe, Ill.</i>
Aliber, Gilbert Donald	<i>Greenfield, Mass.</i>
Allen, Albert Walker, Jr.	<i>Ardsley-on-Hudson, N. Y.</i>
Allen, Ralph Gilmore	<i>Philadelphia, Pa.</i>
Allen, Robert Randolph	<i>Westfield, N. J.</i>
Anderson, Edwin Nathaniel, Jr.	<i>Longmeadow, Mass.</i>
Anderson, John Hornsey Cowan	<i>Summit, N. J.</i>
Andrews, James Harper	<i>Kewanee, Ill.</i>
Atkinson, Thomas Edmund	<i>Sunderland, Mass.</i>
Ault, Addison	<i>Waban, Mass.</i>
Ayers, Gerard Ernest	<i>Brooklyn, N. Y.</i>
Basalo, Rudolph Joseph	<i>Caracas, Venezuela</i>
Baskin, Jevne Duncan	<i>Minneapolis, Minn.</i>
Basseches, Robert Treinis	<i>Scarsdale, N. Y.</i>
Bassett, Edward Murray	<i>Rockville Centre, N. Y.</i>
Baughman, Richard DeWeese	<i>Wellesley Hills, Mass.</i>
Baum, Richard Samuel	<i>Detroit, Mich.</i>
Baumert, Edward Charles, III	<i>New York, N. Y.</i>
Beardwood, Donald Matthew	<i>Melrose Park, Pa.</i>
Beaven, Bruce Wetmore	<i>Kenilworth, Ill.</i>
Benson, Gerald	<i>New York, N. Y.</i>

Bergren, Richard Victor, Jr.	<i>White Plains, N. Y.</i>
Bespaloff, Alexis Jacques	<i>New York, N. Y.</i>
Bixler, David Daniel	<i>Bronxville, N. Y.</i>
Blair, Stephen Batcheller, Jr.	<i>Fitzwilliam, N. H.</i>
Blumenberg, Robert Murray	<i>Gloversville, N. Y.</i>
Blyth, Charles Ramsay, Jr.	<i>Burlingame, Calif.</i>
Bobrinskoy, George Vladimir, Jr.	<i>Chicago, Ill.</i>
Bower, Mason James	<i>Corning, N. Y.</i>
Brayer, James Douglas	<i>Rochester, N. Y.</i>
Brickett, Malcolm Hoyt	<i>Wellesley Hills, Mass.</i>
Brown, Alling Christian	<i>Lake Forest, Ill.</i>
Brown, Norman Edward	<i>Pelham, Mass.</i>
Buel, Richard Van Wyck, Jr.	<i>Morristown, N. J.</i>
Bunnell, Bradford Noble	<i>West Hartford, Conn.</i>
Burdette, Hugh Carter	<i>Pampa, Texas</i>
Burkard, Herbert Lawrence	<i>New York, N. Y.</i>
Burleigh, William Edward	<i>Tavares, Fla.</i>
Burns, Allen Anderson	<i>Cleveland, Ohio</i>
Campbell, John Branfield	<i>Newark, N. J.</i>
Carstensen, Thomas Blaylock	<i>Portland, Ore.</i>
Castro, Enrique Ochoa	<i>Morelia, Michoacan, Mexico</i>
Clark, Roger Browne	<i>Webster Groves, Mo.</i>
Clemons, Maynard Gardner, Jr.	<i>Amherst, Mass.</i>
Cobau, William Weinschenk	<i>New Castle, Pa.</i>
Cole, William Richard, 3rd	<i>North Amherst, Mass.</i>
Conover, Frederic King, II	<i>Chevy Chase, Md.</i>
Coon, Henry Leland	<i>Bronxville, N. Y.</i>
Cooper, Charles Sylvester, III	<i>Garden City, N. Y.</i>
Cowan, Michael Norton	<i>New York, N. Y.</i>
Crook, William Wallace	<i>Roslindale, Mass.</i>
Cuyler, Lewis Carter	<i>Princeton, N. J.</i>
Davenport, Samuel Chase	<i>Riverside, Conn.</i>
Davidson, Christopher Holland	<i>Schenectady, N. Y.</i>
Davis, Richard Guenther	<i>Great Neck, N. Y.</i>
Dean, George Aloysius, Jr.	<i>New York, N. Y.</i>
Desenberg, Jon Phillips	<i>Detroit, Mich.</i>
Dillon, James McNulty	<i>Buffalo, N. Y.</i>
Dirks, Richard Alan	<i>Fayetteville, N. Y.</i>
Dorrell, Walter Ward, Jr.	<i>Bronxville, N. Y.</i>
Douglass, Norman Wardwell	<i>Verona, N. J.</i>
Downey, Francis Aloysius, Jr.	<i>Holyoke, Mass.</i>
Duffy, William Bernard, Jr.	<i>North Andover, Mass.</i>
Earle, Ralph, Jr.	<i>Jenkintown, Pa.</i>

Eckardt, Robert Remick  
 Endriss, James Wagner  
 Epstein, Jerome Ronald  
 Eagles, Robert  
 Falsgraf, William Wendell  
 Farr, Jan Richard  
 Felt, John Traver  
 Ferner, David Charles  
 Ferré, Antonio Luis  
 Field, Martin Lewis  
 Fillman, Jeffrey Andrew  
 Flegal, Howard Bruce  
 Florance, Edwin Trent  
 Flynn, Richard Brian  
 Forbes, Gordon Marshall  
 Fox, Robert Yale  
 Francisco, William Henry  
 Frank, Seth Edward  
 Franklin, Howard Bruce  
 Franzen, Neil Alan  
 French, Edward Crossett  
 Friedrich, Eugene William  
 Frum, Austin Pendleton  
 Frymoyer, William Kimball  
 Gallagher, George Cromwell  
 Gamble, William Gardner  
 Ginsberg, Stanley Arthur  
 Goldstone, Steven Peter  
 Good, James Edward, II  
 Grant, Herbert Leonard  
 Grant, Robert Ernest  
 Gray, Dana Gordon  
 Greely, Philip Allen  
 Greene, Lewis Joel  
 Gregson, Ronald Edgar  
 Grunebaum, Richard Ernest  
 Hagstrom, Jack Walter  
 Haller, Robert Spencer  
 Halsted, John Scarlett  
 Hamilton, George William, Jr.  
 Hammond, John Wilkes, II  
 Hanks, James Philip  
 Hanschka, Mark Richard

*Port Washington, N. Y.*  
*Mansfield, Ohio*  
*New York, N. Y.*  
*Bala-Cynwyd, Pa.*  
*Shaker Heights, Ohio*  
*Syracuse, N. Y.*  
*New Hartford, N. Y.*  
*Rochester, N. Y.*  
*Ponce, Puerto Rico*  
*Excelsior, Minn.*  
*New York, N. Y.*  
*New Orleans, La.*  
*Summit, N. J.*  
*Hallowell, Maine*  
*Birmingham, Mich.*  
*Dobbs Ferry, N. Y.*  
*Middletown, Conn.*  
*Brooklyn, N. Y.*  
*Brooklyn, N. Y.*  
*Itasca, Ill.*  
*La Jolla, Calif.*  
*Washington, D. C.*  
*Cleveland, Ohio*  
*Foxboro, Mass.*  
*Washington, D. C.*  
*Batavia, N. Y.*  
*Far Rockaway, N. Y.*  
*Brooklyn, N. Y.*  
*London, England*  
*Brooklyn, N. Y.*  
*Westfield, N. J.*  
*Nappanee, Ind.*  
*Springfield, Mass.*  
*Ardsley, N. Y.*  
*Harmony, R. I.*  
*Scarsdale, N. Y.*  
*Rockford, Ill.*  
*Bethesda, Md.*  
*Kennett Square, Pa.*  
*Indianapolis, Ind.*  
*Cambridge, Mass.*  
*Newton Centre, Mass.*  
*Montclair, N. J.*

Hardy, Edward Keasbey, III	<i>Glencoe, Ill.</i>
Harris, Richard George H.	<i>Northampton, Mass.</i>
Hart, John Schuyler	<i>Pittsfield, Mass.</i>
Head, Henry Buchen	<i>Evanston, Ill.</i>
Heilman, Richard Spaulding	<i>Villanova, Pa.</i>
Helmreich, Paul Christian	<i>Brunswick, Maine</i>
Henderson, Josiah Robert	<i>Rochester, N. Y.</i>
Henshaw, Lewis Johnson, Jr.	<i>Cincinnati, Ohio</i>
Herd, John Robert	<i>Merion, Pa.</i>
Hertz, Fredric Martin	<i>Forest Hills, N. Y.</i>
Hiatt, John Alfred	<i>Minneapolis, Minn.</i>
Hicks, James Everett	<i>Worcester, Mass.</i>
Hildreth, Robert Lee	<i>West Springfield, Mass.</i>
Hinrichs, Walter Edwin	<i>Lake Success, N. Y.</i>
Hobbs, Frederick Howard	<i>Pottsville, Pa.</i>
Hommeyer, Paul von Hofen	<i>Wayzata, Minn.</i>
Ittner, James Francis	<i>Kirkwood, Mo.</i>
Jedrey, Robert Leonard	<i>Gloucester, Mass.</i>
Johanson, Bradford	<i>Avon, Conn.</i>
Joy, William Joseph	<i>Amherst, Mass.</i>
Judd, Edward Payson	<i>Cleveland, Ohio</i>
Kallet, Anthony	<i>New Rochelle, N. Y.</i>
Kaplan, Philip Jeffrey	<i>New Rochelle, N. Y.</i>
Karch, George Frederick, Jr.	<i>Shaker Heights, Ohio</i>
Keller, Henry Steven	<i>Shaker Heights, Ohio</i>
Kendrick, Thomas Ryland	<i>Brunswick, Maine</i>
Kershliis, William Robert, Jr.	<i>Amherst, Mass.</i>
Kessler, Stanton Alfred	<i>Highland Park, Ill.</i>
Kirschenbaum, Stephen Ira	<i>New York, N. Y.</i>
Kisiel, Robert John	<i>Holyoke, Mass.</i>
Kitchell, Webster Lardner	<i>Newbury, Mass.</i>
Kolb, Harold Hutchinson, Jr.	<i>Wellesley Hills, Mass.</i>
Kopp, Charles Gilbert	<i>Avon, Conn.</i>
Kuniholm, Paul Isaac	<i>Gardner, Mass.</i>
LaFollette, Gerry Campbell	<i>Corning, N. Y.</i>
Lally, Kenneth Richard	<i>Holyoke, Mass.</i>
Langs, Richard John	<i>Detroit, Mich.</i>
Lansdowne, Robert Somerset	<i>Buffalo, N. Y.</i>
Lawrenz, David Roger	<i>Lakeville, Conn.</i>
Lehrman, Robert Orrin	<i>New York, N. Y.</i>
Lemal, David Markham	<i>Fanwood, N. J.</i>
Levy, Frederic David	<i>New York, N. Y.</i>
Lewis, John Francis	<i>Oberlin, Ohio</i>

Lindem, Martin Carl, Jr.  
 Litchfield, Ticknor Bushnell  
 Long, Robert Charles  
 Long, Theodore Dixon  
 Lowenfield, Ralph Albert, Jr.  
 Maccagnan, Victor  
 MacCammond, James Alexander Fraser, Jr.  
 MacDonald, Donald Hugh  
 MacDougall, Robert Donald  
 McFarlane, Willis McKee  
 McGirr, Francis William, Jr.  
 McGovern, James Bruce  
 McLean, Joseph Alan  
 McLendon, Frederick Earl, Jr.  
 MacLennan, Everett Wood  
 Mairs, Angus McLeod  
 Maras, Robert Bernard  
 Marasco, Alan Lester  
 Marcus, Donald Jay  
 Marion, John Addison  
 Marks, Walter  
 Marrack, Alexander Case  
 Mayer, Frank Dewey, Jr.  
 Mermelstein, David  
 Metcalf, Thomas Richard  
 Miller, Leigh Douglas  
 Minster, Joel Shaw  
 Mizoguchi, Michio  
 Moore, Frederick Cromwell  
 Morano, Anthony Albert  
 Morgan, George Sumner Barton  
 Morgan, Roger Phillip  
 Morse, Kingsley Gates  
 Morway, Lawrence Emerson  
 Moses, Abe Joseph  
 Moses, Horace Chester, III  
 Moulton, Hugh Geoffrey  
 Muskat, Michael Spencer  
 Nash, Clyde Lester, Jr.  
 Noël, Jean Louis  
 Norden, William Simon  
 Oestermeyer, Carl Frederick  
 Ormsby, David George

*Salt Lake City, Utah*  
*Mamaroneck, N. Y.*  
*Los Angeles, Calif.*  
*Warren, Ohio*  
*El Paso, Texas*  
*Lakeville, Conn.*  
*Amherst, Mass.*  
*Seal Harbor, Maine*  
*Wynnewood, Pa.*  
*Shaker Heights, Ohio*  
*Saratoga Springs, N. Y.*  
*Winchester, Mass.*  
*Ayer, Mass.*  
*Atlanta, Ga.*  
*Braintree, Mass.*  
*St. Paul, Minn.*  
*Shaker Heights, Ohio*  
*Chappaqua, N. Y.*  
*Wynnewood, Pa.*  
*Maplewood, N. J.*  
*New York, N. Y.*  
*Honolulu, T. H.*  
*Chicago, Ill.*  
*Baltimore, Md.*  
*Scarsdale, N. Y.*  
*Winnetka, Ill.*  
*Drexel Hill, Pa.*  
*Kamakura, Japan*  
*Easton, Pa.*  
*Greenwich, Conn.*  
*Amherst, Mass.*  
*Cromwell, Conn.*  
*Pasadena, Calif.*  
*Delmar, N. Y.*  
*Springfield, Mass.*  
*Winnetka, Ill.*  
*Weston, Mass.*  
*Newtown, Pa.*  
*Cleveland, Ohio*  
*Grenoble, France*  
*Brooklyn, N. Y.*  
*Shaker Heights, Ohio*  
*Waterford, N. Y.*

Paino, Domenic Joseph	<i>Malden, Mass.</i>
Palmer, Robert Noble, Jr.	<i>Great Neck, N. Y.</i>
Parsons, Donald Seymour	<i>Amherst, Mass.</i>
Patten, Julian Hardy, II	<i>Washington, D. C.</i>
Paulson, Donald Erwin	<i>Newton Highlands, Mass.</i>
Pearson, Daniel S.	<i>Mount Vernon, N. Y.</i>
Peil, James Francis	<i>Racine, Wis.</i>
Penfield, Paul Livingstone, Jr.	<i>Birmingham, Mich.</i>
Perry, Gordon Bangs	<i>Dedham, Mass.</i>
Peverill, Jack Arthur	<i>Sarasota, Fla.</i>
Pfaelzer, Ellard Louis, Jr.	<i>Chicago, Ill.</i>
Phelps, Edmund Strother, Jr.	<i>Hastings-on-Hudson, N. Y.</i>
Phillips, George Jackson, Jr.	<i>Baltimore, Md.</i>
Pierre, André Jules Marie	<i>New York, N. Y.</i>
Pimlott, Charles Herman, Jr.	<i>Shaker Heights, Ohio</i>
Plotkin, Gerald Rodman	<i>Waban, Mass.</i>
Pope, Frederick Seth	<i>Hyde Park, Mass.</i>
Pray, Monroe, Jr.	<i>Highland Park, N. J.</i>
Pydych, Charles Paul	<i>Longmeadow, Mass.</i>
Rabinowitz, Ivan James	<i>Stamford, Conn.</i>
Raegner, Louis Christian, III	<i>Ossining, N. Y.</i>
Rainey, Francis Barto, III	<i>Canton Center, Conn.</i>
Reed, Robert Tyler	<i>Kansas City, Mo.</i>
Rees, William Wendell	<i>Albany, N. Y.</i>
Resch, John Tyler	<i>New Rochelle, N. Y.</i>
Riggs, Robert McCutchan	<i>Bronxville, N. Y.</i>
Robbins, Michael Daniel, Jr.	<i>West Englewood, N. J.</i>
Robins, Irwin Brody	<i>Needham, Mass.</i>
Rogers, Charles Robertson, II	<i>Princeton, N. J.</i>
Rose, William Elliott	<i>Wynnewood, Pa.</i>
Rosenberg, Arthur Henry	<i>Ventnor, N. J.</i>
Royce, Robert Stephen	<i>Dedham, Mass.</i>
Ruegg, Edward Lavino	<i>Philadelphia, Pa.</i>
Runser, Frank Burkart, Jr.	<i>East Orange, N. J.</i>
Ryder, Richard Edward, Jr.	<i>West Hartford, Conn.</i>
Sahl, Michael Donald	<i>New York, N. Y.</i>
Salisbury, John William, Jr.	<i>Philadelphia, Pa.</i>
Schellenger, Edward Markley, Jr.	<i>Berwyn, Pa.</i>
Schick, Harold Godfrey Jacob, Jr.	<i>Highland Park, Ill.</i>
Schmiedeskamp, Jay Warrem	<i>Quincy, Ill.</i>
Schultz, Roger Anthony	<i>Flushing, N. Y.</i>
Scott, Peter Wells	<i>Western Springs, Ill.</i>
Seasholes, Ernest Van Benschoten	<i>Shaker Heights, Ohio</i>

Seward, Halvor Richardson, Jr.	<i>Brookline, Mass.</i>
Shaw, Robert Stuart	<i>New Rochelle, N. Y.</i>
Shelton, Napier	<i>Washington, D. C.</i>
Sheppard, Edson Peaslee, Jr.	<i>Sparks, Nev.</i>
Shillington, John Joseph, Jr.	<i>Webster Groves, Mo.</i>
Simpson, Jan Winn	<i>Melbourne, Fla.</i>
Slavin, Richard Paul	<i>New Rochelle, N. Y.</i>
Smith, Richard Ellis	<i>New York, N. Y.</i>
Soltz, Robert Louis	<i>Shaker Heights, Ohio</i>
Sorenson, Ralph Zellar, Jr.	<i>Mansfield, Ohio</i>
Sowersby, Robert Philip	<i>Kenilworth, Ill.</i>
Spear, John Ashcroft, Jr.	<i>Farmington, Conn.</i>
Spencer, Robert Whittlesey	<i>Newton, N. J.</i>
Starodoj, Thomas Stanley, Jr.	<i>Ware, Mass.</i>
Stearn, Carl William	<i>Garden City, N. Y.</i>
Steeg, Francois Nicholas	<i>Paris, France</i>
Steinhauer, Bruce William	<i>Toledo, Ohio</i>
Stephenson, George Edward, Jr.	<i>Braintree, Mass.</i>
Stone, James Rae	<i>Pittsburgh, Pa.</i>
Strand, Richard Edward	<i>St. Paul, Minn.</i>
Sussman, John David	<i>Yonkers, N. Y.</i>
Swinchatt, Peter Francis Ellis	<i>Larchmont, N. Y.</i>
Tague, James Andrew	<i>Amherst, Mass.</i>
Tank, Deane Henry	<i>Western Springs, Ill.</i>
Tapley, John Canfield, Jr.	<i>Holley, N. Y.</i>
Tehan, William Henry, Jr.	<i>Auburn, N. Y.</i>
Tonidandel, Ronald Louis	<i>Stafford Springs, Conn.</i>
Tudhope, James Brockett, Jr.	<i>Winnetka, Ill.</i>
Tulchin, Herbert Jacob	<i>New York, N. Y.</i>
Turner, Clyde Robin	<i>West Hartford, Conn.</i>
Underwood, Charles Brown	<i>Buffalo, N. Y.</i>
Uricchio, Joseph Vincent, Jr.	<i>West Hartford, Conn.</i>
Vance, William Abel	<i>Seattle, Wash.</i>
Van Hoesen, David Mynderse	<i>San Mateo, Calif.</i>
Van Jones, Lee Thomas	<i>Rye, N. Y.</i>
Wanger, Eugene Gilkison	<i>Lansing, Mich.</i>
Warren, William Ezra	<i>Murray Hill, N. J.</i>
Weinman, David Nelson	<i>Old Greenwich, Conn.</i>
Wendell, Roger John	<i>Hatfield, Mass.</i>
Whitney, Robert Byron, Jr.	<i>Amherst, Mass.</i>
Wilson, Thomas Adams	<i>Baltimore, Md.</i>
Wise, Anthony John, III	<i>Fort Pierce, Fla.</i>
Wolff, L. Carl	<i>Elkins Park, Pa.</i>

Woodburn, James Milton  
 Wright, Richard Warner  
 Wykoff, Peter Claesen  
 Wykoff, Thomas William  
 Wyn, Ronald Eric  
 Yarnall, Stephen Robbins  
 Young, Robert Berryhill  
 Zimmerman, Robert Harris

### Junior Class

Amaker, Norman Carey  
 Anderson, James Peter  
 Anderson, John Whiting  
 Anderson, Robert Andrew  
 Andrews, Earnest Tisdale, III  
 Angelides, Alexander Constantine  
 Anthony, Henry Franklin, 2nd  
 Aronchick, Michael Peter  
 Asplundh, Kurt Horigan  
 Atkinson, Karl Sinclair  
 Atlas, James Robert  
 Ball, Robert Markham  
 Barker, Richard Prescott  
 Bedford, Crayton Ward  
 Beebe, David Scott  
 Birge, Clifford Allen  
 Blackburn, James Clark  
 Bliss, John Williams  
 Blodgett, Edward Dickinson, Jr.  
 Bloomer, Harold Franklin, Jr.  
 Boley, Benjamin William  
 Bradley, Bruce Vernon  
 Branigin, Robert Mardis  
 Brown, Nicholas Barry  
 Budd, Matthew Alan  
 Buebendorf, Donald Philip  
 Burlingham, John Stewart  
 Carlson, Paul Verner  
 Carter, Thomas Jerrell, Jr.  
 Carty, James Robert  
 Cassiers, Philippe  
 Chaitovitz, Samuel Alfred  
 Chance, Guy Pix  
 Cobb, Charles Sherman, III

*Williamsville, N. Y.*  
*South Harwich, Mass.*  
*Shaker Heights, Ohio*  
*Shaker Heights, Ohio*  
*Larchmont, N. Y.*  
*Birmingham, Mich.*  
*Summit, N. J.*  
*Philadelphia, Pa.*

*New York, N. Y.*  
*Latham, N. Y.*  
*Highland Park, N. J.*  
*New Canaan, Conn.*  
*Avon, Conn.*  
*Berlin, N. H.*  
*Providence, R. I.*  
*Brooklyn, N. Y.*  
*Bryn Athyn, Pa.*  
*Washington, D. C.*  
*Waterbury, Conn.*  
*Wilmington, Del.*  
*Yonkers, N. Y.*  
*Middlebury, Vt.*  
*Amherst, Mass.*  
*St. Louis, Mo.*  
*Rosemont, Pa.*  
*Greenwich, Conn.*  
*Haddonfield, N. J.*  
*Riverside, Conn.*  
*Brooklyn, N. Y.*  
*Springfield, Mass.*  
*Lafayette, Ind.*  
*Rochester, N. Y.*  
*Newton Centre, Mass.*  
*Chappaqua, N. Y.*  
*Portland, Ore.*  
*Summit, N. J.*  
*Portsmouth, N. H.*  
*Rockville Centre, N. Y.*  
*Scarsdale, N. Y.*  
*New York, N. Y.*  
*South Sudbury, Mass.*  
*Pasadena, Calif.*

Cogan, Jerry Albert, Jr.  
 Congdon, Stephen Leeds  
 Corson, George Cadwallader, Jr.  
 Crammes, Michael Jay  
 Crosby, Lawrence Roy, Jr.  
 Crossley, George Randolph  
 Crothers, George Michael  
 Crowell, Alexander Marcy  
 Damon, Allan Lincoln  
 Danielson, Winfield Scott, Jr.  
 Davis, John Oliver  
 Davis, Steven Ilsley  
 Dibble, Edward Fletcher  
 Disston, Geoffrey Whitmore  
 Dunwoody, Joseph, Jr.  
 Eades, Joseph William  
 Edwards, Ned Wolfe  
 Eisenthal, Robert Simon  
 Eisold, Kenneth Robert  
 Ellis, Arthur Boris  
 Elsbree, John Langdon  
 Elton, William Johnson, II  
 England, Robert  
 Epstein, Robert Erwin  
 Esty, Charles Place  
 Evans Robert Lindsay  
 Eveleth, John Prentiss  
 Falk, Morris Stephen  
 Fay, Robert Sargent  
 Feinberg, Jack Heyman  
 Felfe, Claus  
 Fenn, Don Frederick  
 Fischer, John Richard  
 Fish, William Charles  
 Flemma, George Robert John  
 Fossett, Birchard Clary  
 Foster, John Winthrop  
 Foster, Paul Gary  
 Fourman, Richard George  
 Frank, Alfred, Jr.  
 Freeman, James Arthur  
 Fulton, John Mayhew  
 Funkhouser, John Gray

*Toronto, Ontario, Canada*  
*Arlington, Vt.*  
*Plymouth Meeting, Pa.*  
*Scarsdale, N. Y.*  
*Laconia, N. H.*  
*West Hartford, Conn.*  
*New York, N. Y.*  
*Riverton, N. J.*  
*Springfield, Mass.*  
*Teaneck, N. J.*  
*New Rochelle, N. Y.*  
*Glens Falls, N. Y.*  
*West Hartford, Conn.*  
*New York, N. Y.*  
*Troy, N. Y.*  
*St. Louis, Mo.*  
*Merriam, Kansas*  
*New York, N. Y.*  
*New York, N. Y.*  
*Hartford, Conn.*  
*Preston Hollow, N. Y.*  
*Army Chemical Center, Md.*  
*Bethesda, Md.*  
*New Rochelle, N. Y.*  
*Amherst, Mass.*  
*Montclair, N. J.*  
*Longmeadow, Mass.*  
*Woonsocket, R. I.*  
*Columbus, Ohio*  
*South Orange, N. J.*  
*Chevy Chase, Md.*  
*Oakland, Calif.*  
*Newton Highlands, Mass.*  
*Hamden, Conn.*  
*Utica, N. Y.*  
*Oakland, Maine*  
*Grinnell, Iowa*  
*Norwood, Mass.*  
*Forest Hills, N. Y.*  
*Louisville, Ky.*  
*Rochester, N. Y.*  
*Cleveland Heights, Ohio*  
*Exeter, N. H.*

Funnell, William Brewster	<i>Darien, Conn.</i>
Gams, Richard Alan	<i>New York, N. Y.</i>
Gask, Michael Mason	<i>New York, N. Y.</i>
Gately, Barry deOrmond	<i>Barrington, R. I.</i>
Glassie, Donelson Caffery	<i>San Francisco, Calif.</i>
Goldman, Michael Ira	<i>New York, N. Y.</i>
Goldthwait, John Abbey	<i>Winchester, Mass.</i>
Goodkind, John Morton	<i>Larchmont, N. Y.</i>
Goold, Peter	<i>Scarsdale, N. Y.</i>
Goss, Thomas Lanius	<i>Tucson, Ariz.</i>
Gotoff, Harold Charles	<i>New York, N. Y.</i>
Greene, Ralph Edward	<i>Washington, D. C.</i>
Griffith, John Quintin, III	<i>Margate City, N. J.</i>
Grousbeck, Harold Irving, II	<i>Northampton, Mass.</i>
Gutmann, Frank Trafton	<i>Auburn, Maine</i>
Hall, Joseph Edward, Jr.	<i>Brooklyn, N. Y.</i>
Hammons, James Hutchinson	<i>Darien, Conn.</i>
Hamrin, Robert Sundell	<i>Evanston, Ill.</i>
Harris, John Edward Crane	<i>Sarasota, Fla.</i>
Harris, Joseph Macdonald, Jr.	<i>Gladwyne, Pa.</i>
Harvey, James Gerald	<i>Eldon, Mo.</i>
Hauser, Richard Paul	<i>Great Neck, N. Y.</i>
Hawke, Roger Jewett	<i>Rockville Centre, N. Y.</i>
Hawkins, Douglas Warren	<i>Winchester, Mass.</i>
Heise, John William	<i>Glencoe, Ill.</i>
Heuer, David Allan	<i>Rochester, N. Y.</i>
Hill, Thomas Jackson, Jr.	<i>Amherst, Mass.</i>
Hindle, Peter Gage	<i>South Dartmouth, Mass.</i>
Hirt, Paul Stanley, Jr.	<i>Mount Clemens, Mich.</i>
Hochman, Charles Bruce	<i>Weehawken, N. J.</i>
Hollister, Robinson Gill, Jr.	<i>Glen Ridge, N. J.</i>
Holloway, Robert Ross	<i>West Springfield, Mass.</i>
Hovendon, Gregory Bruce	<i>Westfield, N. J.</i>
Huber, Hans Anthony	<i>Locust, N. J.</i>
Hurlbut, Cornelius Searle, Jr.	<i>Belmont, Mass.</i>
Iannotta, Benjamin Carl, Jr.	<i>Plainfield, N. J.</i>
Irwin, James Wellington	<i>Parma, Ohio</i>
Jacobson, Jay Jacob	<i>New York, N. Y.</i>
Jenkins, James Streeter	<i>Hingham, Mass.</i>
Johnson, Bruce Crane	<i>West Hartford, Conn.</i>
Johnston, Thomas McElree, Jr.	<i>Coral Gables, Fla.</i>
Jones, Bruce William	<i>Los Altos, Calif.</i>
Jones, Stephen Decatur	<i>Malden, Mass.</i>

Kalil, Charles Jeffrey  
 Kallen, Roland Gilbert  
 Karet, Jack Abraham  
 Karlin, Frederick James  
 Kawanishi, Susumu  
 Kidder, George Wallace, III  
 Klein, Ira William  
 Kleiner, Eugene Marcus  
 Klem, Charles, Jr.  
 Knowles, Russell, Jr.  
 Krupman, Victor Stephan  
 Lang, Elliott Naren  
 Leach, Charles Nelson, Jr.  
 Leach, Peter John  
 Leet, Robert Arthur  
 Leff, Arthur Allen  
 Levenstein, Alan Peter  
 Levison, Peter Gerstle  
 Lewis, William Eggleston  
 Li, James Kung-wei  
 Liberman, Samuel Halpern, II  
 Lie, Hans Peter  
 Linick, Evan Faller  
 Loud, Roger Sherman  
 Lustig, Steven Alan  
 Macauley, Richard Farrington  
 McCarthy, Richard Theodore  
 Macdonald, Bruce Alan  
 McGeeney, John Stephen  
 MacLaren, Alan Ross  
 McLellan, Allister Matheson  
 McMullan, Bruce Whittaker  
 MacQueen, Duncan Alexander  
 Magee, Edgar Eugene, Jr.  
 Manly, William Michael  
 Mannheim, Charles Jon  
 Marks, Peter  
 Milheim, Irvine George, Jr.  
 Moldenhauer, Joseph John  
 Morgan, Charles Bedford  
 Moulton, Charles Henry Towle  
 Nathanson, Donald Lawrence  
 Newberg, Donald William

*Lawrence, Mass.*  
*Newark, N. J.*  
*Kenmore, N. Y.*  
*Winnetka, Ill.*  
*Kanagawa, Japan*  
*Amherst, Mass.*  
*Clayton, Mo.*  
*Nampa, Idaho*  
*Mountain Lakes, N. J.*  
*Nonquitt, Mass.*  
*University Heights, Ohio*  
*Brooklyn, N. Y.*  
*Newfane, Vt.*  
*Kirkwood, Mo.*  
*Ridgewood, N. J.*  
*New York, N. Y.*  
*New York, N. Y.*  
*San Francisco, Calif.*  
*Binghamton, N. Y.*  
*Ankara, Turkey*  
*St. Louis, Mo.*  
*Rochester, N. Y.*  
*Northfield, Ill.*  
*New York, N. Y.*  
*Millbrook, N. Y.*  
*Annandale, N. J.*  
*Northampton, Mass.*  
*Windsor, Conn.*  
*Manhasset, N. Y.*  
*Worcester, Mass.*  
*Pelham, N. Y.*  
*Philadelphia, Pa.*  
*Sayville, L. I., N. Y.*  
*Corning, N. Y.*  
*Medford, Mass.*  
*Amherst, Mass.*  
*New York, N. Y.*  
*Sharon, Pa.*  
*Jackson Heights, L. I., N. Y.*  
*Malone, N. Y.*  
*Meriden, N. H.*  
*Brooklyn, N. Y.*  
*Hamden, Conn.*

Nickerson, Thomas Drake	<i>Belmont, Mass.</i>
Noerdlinger, Victor Sigmund, Jr.	<i>New York, N. Y.</i>
Nygren, Edward John James	<i>Wilkes-Barre, Pa.</i>
Ooms, Van Doorn	<i>La Grange, Ill.</i>
Oppenheimer, Ernest Albert	<i>New York, N. Y.</i>
Parker, Alan Currie	<i>Andover, Mass.</i>
Pasternak, Herbert Stephen	<i>Scarsdale, N. Y.</i>
Patten, Duncan T.	<i>Bloomfield Hills, Mich.</i>
Pearsall, Henry Batterman	<i>Elgin, Ill.</i>
Phillips, John Robinson, II	<i>New Rochelle, N. Y.</i>
Pilcher, David Bogart	<i>West Newton, Mass.</i>
Pincus, Jonathan Henry	<i>Brooklyn, N. Y.</i>
Poltenson, Arnold	<i>Syracuse, N. Y.</i>
Powers, Jonathan Goble	<i>Darien, Conn.</i>
Pruyne, Robert Ellis	<i>Newton, Mass.</i>
Pusey, Walter Carroll, III	<i>Springfield, Pa.</i>
Rabbino, Michael David	<i>Brooklyn, N. Y.</i>
Radin, Eric Leon	<i>Brooklyn, N. Y.</i>
Reichert, Forest Pratt	<i>Shaker Heights, Ohio</i>
Renander, Arthur William, Jr.	<i>West Hempstead, N. Y.</i>
Reusswig, William Norton	<i>Ho-Ho-Kus, N. J.</i>
Rhodes, Douglas Barnes	<i>Englewood, N. J.</i>
Ringer, Fritz Franz Klaus	<i>Upper Montclair, N. J.</i>
Ritter, Michael Peter	<i>Philadelphia, Pa.</i>
Roda, Peter Leonard	<i>Pittsford, N. Y.</i>
Rodgers, Theodore Stephan	<i>Short Hills, N. J.</i>
Rose, Roderick Manning	<i>Waterbury, Conn.</i>
Royse, John Nitsche	<i>Terre Haute, Ind.</i>
Rumrill, Charles Clark	<i>Pittsford, N. Y.</i>
Sabey, Florian Peter	<i>Rochester, N. Y.</i>
St. Clair, David Wright	<i>Cleveland Heights, Ohio</i>
Salot, William Harry	<i>Mount Clemons, Mich.</i>
Saybolt, Peter May	<i>Drexel Hill, Pa.</i>
Schramm, Peter	<i>Burlington, Iowa</i>
Schwartz, David Stephen	<i>New York, N. Y.</i>
Schwemm, John Butler	<i>Barrington, Ill.</i>
Segal, Gerald Arthur	<i>Pittsburgh, Pa.</i>
Sherzer, Fredric Harold	<i>New York, N. Y.</i>
Smith, Frederick Milton, II	<i>Portland, Maine</i>
Smyth, Douglas Roberts	<i>Wortendyke, N. J.</i>
Snider, Joseph Lyons, Jr.	<i>Lincoln, Mass.</i>
Soman, Alfred	<i>Great Neck, N. Y.</i>
Sowalsky, Jerome Saul	<i>Hartford, Conn.</i>

Spence, Richard Benham	<i>Scarsdale, N. Y.</i>
Spencer, Thomas Ancrum, Jr.	<i>Chatham, N. J.</i>
Steere, Allan Warren	<i>Needham, Mass.</i>
Steinhauer, Roger Kent	<i>Toledo, Ohio</i>
Stephens, John Alton	<i>Vergennes, Vt.</i>
Swatland, Thomas York	<i>Newark, N. J.</i>
Swift, Richard Lawrence	<i>Amherst, Mass.</i>
Sylvester, Albert Lenthall, Jr.	<i>Cohasset, Mass.</i>
Symmes, Samuel Stowell	<i>Winchester, Mass.</i>
Talcott, James Hart	<i>Litchfield, Conn.</i>
Teele, Thurston Ferdinand	<i>Needham, Mass.</i>
Thayer, William Sumner	<i>South Duxbury, Mass.</i>
Thomas, Robert Fairbanks	<i>West Hartford, Conn.</i>
Traub, Russell Goodrich	<i>Auburn, N. Y.</i>
Trimble, Robert Bacon	<i>Ho-Ho-Kus, N. J.</i>
Tudor, Peter Alexander	<i>Baldock, Herts, England</i>
Tyler, John Randolph, Jr.	<i>Canandaigua, N. Y.</i>
Vega, Arthur, Jr.	<i>East Longmeadow, Mass.</i>
Velton, William Lawrence	<i>Yakima, Wash.</i>
Volpert, Richard Sidney	<i>White Plains, N. Y.</i>
Waldo, John Royal	<i>Newport, N. H.</i>
Walker, Richard Anderson	<i>Bronxville, N. Y.</i>
Waller, Robin Whitney	<i>Niantic, Conn.</i>
Wallis, James Alton	<i>Malden, Mass.</i>
Warburton, Robert King	<i>Hudson, Ohio</i>
Weil, Robert Hofflin	<i>Clayton, Mo.</i>
Weiller, Peter James	<i>New Canaan, Conn.</i>
White, James Justesen	<i>Harlan, Iowa</i>
White, Warren George	<i>Winthrop, Mass.</i>
Wickham, Peter Pettiner	<i>Glen Head, N. Y.</i>
Wiedemann, Theodore James	<i>Norristown, Pa.</i>
Williams, Douglas Maclin	<i>Marlboro, N. H.</i>
Williams, Roger Miller	<i>Scarborough, N. Y.</i>
Winkelman, Arnold Charles	<i>Port Huron, Mich.</i>
Wolff, L. Richard	<i>Elkins Park, Pa.</i>
Woodall, Dudley Hawthorne	<i>Wayne, N. J.</i>
Wray, Peter Gregory	<i>New York, N. Y.</i>
Young, John Lotter	<i>Quincy, Mass.</i>
Young, Laurence Retman	<i>Riverdale, N. Y.</i>
Zanger, Walter Jay	<i>Brooklyn, N. Y.</i>
Zink, John Charles	<i>Westfield, N. J.</i>
Zucker, Peter James	<i>Cleveland Heights, Ohio</i>

## Sophomore Class

Alexander, Benjamin Hall  
 Amabile, George Nicholas  
 Anderson, James Edwin  
 Anderson, Richard Lee  
 Andrus, Carl Huber  
 Anspach, Edgar Kiser  
 Ascari, William Quintin  
 Asher, Robert Louis  
 Avery, James Billings  
 Bagg, Robert Ely  
 Barrington, Jonathan  
 Barson, John George  
 Bathurst, William Eric  
 Bellin, Howard Theodore  
 Benning, John Alan  
 Biddle, Bruce  
 Black, Alan Russell  
 Bleser, Edward Johnson  
 Bloomberg, John Isaac  
 Boenau, Douglas Charles  
 Brenner, Richard Loeb  
 Brook, John Robert, Jr.  
 Brown, Donald Clyde  
 Bullard, John Augustus, Jr.  
 Burnett, Thomas Arthur  
 Burt, Alvin Miller, III  
 Butler, Charles Alden  
 Carlen, Robert Daniel  
 Charles, Robert Simpson, III  
 Chazin, Joel Matthew  
 Clark, George Alfred, Jr.  
 Clark, Harold Frank, Jr.  
 Clarke, Michael deShee  
 Clemence, Roger Davidson  
 Cody, Thomas Joseph, Jr.  
 Colino, Richard Ralph  
 Connors, James Edward  
 Constantinople, James Dowling  
 Covell, Carl John  
 Craig, Thomas Goodrich  
 Crane, Jeffrey Stuart

*Benton Harbor, Mich.*  
*Princeton, N. J.*  
*Chatham, N. J.*  
*Glen Ridge, N. J.*  
*Bronxville, N. Y.*  
*Highland Park, Ill.*  
*Wallingford, Conn.*  
*Washington, D. C.*  
*Amherst, Mass.*  
*Maplewood, N. J.*  
*New Canaan, Conn.*  
*Larchmont, N. Y.*  
*Kansas City, Mo.*  
*Clifton, N. J.*  
*Benton Harbor, Mich.*  
*Weston, Mass.*  
*Nixon, N. J.*  
*Middlebury, Conn.*  
*New Rochelle, N. Y.*  
*Flushing, N. Y.*  
*Brooklyn, N. Y.*  
*Ashfield, Mass.*  
*Pittsburgh, Pa.*  
*Fairfield, Conn.*  
*Andover, Mass.*  
*Stratford, Conn.*  
*New Rochelle, N. Y.*  
*New York, N. Y.*  
*London, Ontario, Canada*  
*Jamaica, N. Y.*  
*Easton, Pa.*  
*Darien, Conn.*  
*Katonah, N. Y.*  
*Southbridge, Mass.*  
*Arlington, Mass.*  
*Jackson Heights, N. Y.*  
*Somerville, Mass.*  
*Washington, D. C.*  
*Merion, Pa.*  
*Duxbury, Mass.*  
*Stroudsburg, Pa.*

Crockett, George Wallace	<i>Portland, Maine</i>
Dahl, Victor Vinje	<i>Milwaukee, Wis.</i>
Dailey, Robert Hammond	<i>Maplewood, N. J.</i>
Damon, Peter Stanley	<i>Plymouth, Mass.</i>
Davis, Richard Whitlock	<i>Somers, Conn.</i>
Dearnley, Robert Wallace	<i>Cornwall, N. Y.</i>
deFilippi, Richard Paul	<i>New York, N. Y.</i>
DeKorte, Richard William	<i>Franklin Lakes, N. J.</i>
Dell, Glen Arthur	<i>Cadillac, Mich.</i>
Dillon, Matthew Jeremiah	<i>Ardsley-on-Hudson, N. Y.</i>
Dinkelspiel, John Randolph	<i>Rochester, N. Y.</i>
Donelson, John Garfield	<i>Jamestown, N. Y.</i>
Donnell, Harold Eugene, Jr.	<i>Baltimore, Md.</i>
Donohue, William Paul	<i>Westfield, N. J.</i>
Drobnyk, John Wendel	<i>Millburn, N. J.</i>
Durk, David Burton	<i>New York, N. Y.</i>
Egloff, David Allen	<i>Mason City, Iowa</i>
Evans, Charles Suddards	<i>Gladwyne, Pa.</i>
Faerber, Don Bartley	<i>University City, Mo.</i>
Felton, Frederic Luther, Jr.	<i>Wellesley Hills, Mass.</i>
Flood, Stephen Balleray	<i>New York, N. Y.</i>
Furbish, George Albert	<i>Providence, R. I.</i>
Gadsby, Edward Northup, Jr.	<i>Littleton, Mass.</i>
Gardiner, Edwin Stanley	<i>New York, N. Y.</i>
Gardner, Pierce	<i>Chevy Chase, Md.</i>
Gault, James Harvey	<i>Pelham Manor, N. Y.</i>
Giffin, James Manning	<i>West Hartford, Conn.</i>
Gilbert, Edward Charles	<i>Brooklyn, N. Y.</i>
Girvin, Robert M., 4th	<i>Wynnewood, Pa.</i>
Gleitsman, Rael Isaac	<i>New York, N. Y.</i>
Goldblum, Lewis Donald	<i>Clayton, Mo.</i>
Goldin, Howard	<i>Yonkers, N. Y.</i>
Gottesfeld, Stuart Alan	<i>Denver, Colo.</i>
Goutell, Carl Robert, III	<i>Chappaqua, N. Y.</i>
Gray, Carl Ralph	<i>Cleveland Heights, Ohio</i>
Gray, Douglas Mintie, Jr.	<i>Waban, Mass.</i>
Grayer, Stephen Poss	<i>Mount Vernon, N. Y.</i>
Gross, Avrum Michael	<i>South Orange, N. J.</i>
Hacker, George Leonard	<i>New Rochelle, N. Y.</i>
Haizlip, Harold Cornelius	<i>Washington, D. C.</i>
Hall, Edward Cameron Kirk	<i>Merion, Pa.</i>
Hanson, Donald Bruce	<i>Hartford, Conn.</i>
Harkness, Robert Whitman	<i>Haworth, N. J.</i>

Harris, Timothy Mather  
 Hastings, James Eastman  
 Hastings, Philip Gray  
 Henon, Alain  
 Hepworth, Derek Graham  
 Herzog, Thomas Ducas  
 Heydt, Don Mueller  
 Higgins, William Waugh  
 Hill, Ian Capreol  
 Hirsch, Richard Miles  
 Hoffman, Edward Sander  
 Holley, Marshall Rudd  
 Hollinshead, Warren Henry, III  
 Homer, John Robert, III  
 Howard, Robert Edwin, Jr.  
 Howell, Chauncey Delphin, Jr.  
 Howell, David Alsten  
 Hoyt, Norris Hulbert, Jr.  
 Huggins, Robert Michel  
 Jeffers, William Allen, Jr.  
 Jefferson, Alfred  
 Jewell, Edward Langdon  
 Johns, Sheridan Waite, III  
 Johnson, Arne Robert  
 Jones, Peter Babcock  
 Jones, Thomas Cooper, Jr.  
 Kambour, Edward Scott  
 Kampmeier, Jack August  
 Keiter, Robert Ernest  
 Kermes, Kenneth Neal  
 Kind, Stephen Joseph  
 King, Robert John  
 Kirshbaum, Gary Roy  
 Kline, Peter Lee  
 Knight, Eliot Spalding  
 Knight, Lewis Emerson  
 Knowles, Kent Nesmith  
 Koopman, David Warren  
 Koski, George Edward  
 Lamont, Hayes Corliss  
 Lane, William Morehead  
 Leavitt, Richard Campbell, Jr.  
 Lee, Ralph Minor

*Albany, N. Y.*  
*Washington, D. C.*  
*Cleveland, Ohio*  
*Brussels, Belgium*  
*Swampscott, Mass.*  
*South Salem, N. Y.*  
*Toledo, Ohio*  
*Worcester, Mass.*  
*Rochester, N. Y.*  
*Drexel Hill, Pa.*  
*Holyoke, Mass.*  
*New Haven, Conn.*  
*Rochester, Minn.*  
*Williamstown, Mass.*  
*Cincinnati, Ohio*  
*Easton, Pa.*  
*Florence, Mass.*  
*Arlington, Mass.*  
*Maplewood, N. J.*  
*Wynnewood, Pa.*  
*Thiensville, Wis.*  
*Exeter, N. H.*  
*Morrisville, Pa.*  
*New Britain, Conn.*  
*Summit, N. J.*  
*Roselle Park, N. J.*  
*Warren, Mass.*  
*Wyncote, Pa.*  
*Maplewood, N. J.*  
*Darien, Conn.*  
*Philadelphia, Pa.*  
*Westfield, Mass.*  
*Elkins Park, Pa.*  
*Washington, D. C.*  
*Tucson, Ariz.*  
*Pittsburgh, Pa.*  
*Northport, N. Y.*  
*Bala-Cynwyd, Pa.*  
*Gloucester, Mass.*  
*New York, N. Y.*  
*Canal Winchester, Ohio*  
*Port Chester, N. Y.*  
*Middlebury, Vt.*

Lehman, Harry Jac  
 Leonard, Daniel, Jr.  
 Levy, Thomas Robert  
 Lieberman, Moses Kaufman  
 Lindsay, David Taylor  
 Lipton, Stanley Charles  
 Long, John Aloysius, Jr.  
 Luce, Dudley Gordon, Jr.  
 McClune, David John  
 McGavic, John Dickinson  
 McLemore, John Whitfield  
 Mann, John Gunther, Jr.  
 Masson, Robert Henry  
 Mathewson, George Atterbury  
 Mazur, Michael Burton  
 Megliola, Anthony Mark  
 Megrue, George Henry  
 Meyer, John deBard  
 Michelsen, Konrad Meyer  
 Miller, Norman Carlile  
 Miller, Richard Wilbur  
 Min, Kong-Ki  
 Mollenauer, James Frederick  
 Moriarty, Joseph Kearney  
 Morton, Joseph  
 Moses, George Stebbins  
 Neale, Robert Schwenn  
 New, Peter Stayer  
 Nightingale, Donald Trever  
 Niner, Arthur Marsh, Jr.  
 Norman, Joel M.  
 Nugent, Jeffrey Bishop  
 O'Brien, Louis Dickinson  
 Ogdon, Thomas Hammer  
 Olson, Roger Grove  
 Oppenheim, Alfred  
 Ostheimer, John Theodore, Jr.  
 Parkhurst, Michael Edward  
 Patrick, William Albert, Jr.  
 Pease, Charles Fessenden  
 Perles, David Robert  
 Pfatteicher, Philip Henry  
 Pickrell, Robert Moulton

*Shaker Heights, Ohio*  
*Winnetka, Ill.*  
*White Plains, N. Y.*  
*Elizabeth, N. J.*  
*North Hills, Pa.*  
*Jamaica, N. Y.*  
*Holyoke, Mass.*  
*North Tarrytown, N. Y.*  
*Broomall, Pa.*  
*Bryn Mawr, Pa.*  
*Louisville, Ky.*  
*Westfield, N. J.*  
*Belmont, Mass.*  
*Ithaca, N. Y.*  
*New York, N. Y.*  
*Springfield, Mass.*  
*New Canaan, Conn.*  
*Great Neck, N. Y.*  
*Bellport, N. Y.*  
*Evanston, Ill.*  
*Bala-Cynwyd, Pa.*  
*Seoul, Korea*  
*Rosemont, Pa.*  
*Holyoke, Mass.*  
*Rochester, N. Y.*  
*Winnetka, Ill.*  
*Jenkintown, Pa.*  
*Santa Fe, N. M.*  
*Minneapolis, Minn.*  
*Pittsford, N. Y.*  
*New York, N. Y.*  
*Rye, N. Y.*  
*Chevy Chase, Md.*  
*Tarrytown, N. Y.*  
*Cambridge, Mass.*  
*Cologne, Germany*  
*Stamford, Conn.*  
*Gloversville, N. Y.*  
*Nashville, Tenn.*  
*New Britain, Conn.*  
*Brooklyn, N. Y.*  
*Ridley Park, Pa.*  
*New York, N. Y.*

Pinkham, William Clifford  
 Plock, Richard Henry, Jr.  
 Prigge, Charles Alan  
 Prosnitz, Leonard Richard  
 Raff, Neil Charles  
 Raithel, Robert Bingham, Jr.  
 Reed, Frank Engelhart  
 Reichert, John Frederick, IV  
 Reiners, Charles Henry  
 Robinson, Winslow Porter  
 Roblin, David McLean  
 Rogers, William Kingsbury  
 Ronan, Clifford John  
 Rose, Frank Stevens  
 Rotner, Howard Ezra  
 Royse, James Samuel, Jr.  
 Sabel, Richard Davis  
 Sanders, Franklin Dulaney  
 Savage, James William  
 Schechter, Alan Henry  
 Schultz, Michael Edward  
 Schupf, Henri Axel  
 Schwartz, Alan Asher  
 Scott, Roy, Jr.  
 Seery, Francis Thomas, Jr.  
 Seibert, Peter Clarendon  
 Shepard, Jackson  
 Shepherd, William Geoffrey  
 Shoenberg, Robert Edward  
 Shore, Robert Avery  
 Silbaugh, Morgan Collins  
 Silverman, William Roger  
 Sisk, Michael Bailey  
 Sisson, Harry Mills, Jr.  
 Smith, Andrew Bardwell  
 Smith, Charles Kay  
 Smith, Hubbard Montgomery  
 Smith, Trevor Gaylord  
 Springer, Clement Francis, Jr.  
 Stackpole, John Duke  
 Steuber, Harry Bentley  
 Strand, Robert Reilly  
 Street, John Phillips, III

*Groton, Mass.*  
*Burlington, Iowa*  
*Northport, N. Y.*  
*New York, N. Y.*  
*Forest Hills, N. Y.*  
*Verona, N. J.*  
*Short Hills, N. J.*  
*Cleveland Heights, Ohio*  
*Rochester, N. Y.*  
*San Marino, Calif.*  
*Lexington, Mass.*  
*Glastonbury, Conn.*  
*West Roxbury, Mass.*  
*New York, N. Y.*  
*Yonkers, N. Y.*  
*Terre Haute, Ind.*  
*Floral, Ala.*  
*Wellesley Hills, Mass.*  
*Larchmont, N. Y.*  
*Brooklyn, N. Y.*  
*Flushing, N. Y.*  
*New Rochelle, N. Y.*  
*Poughkeepsie, N. Y.*  
*Hadlyme, Conn.*  
*Arlington, Mass.*  
*Maplewood, N. J.*  
*Princeton, N. J.*  
*Ames, Iowa*  
*Melrose Park, Pa.*  
*Brooklyn, N. Y.*  
*Binghamton, N. Y.*  
*Elizabeth, N. J.*  
*Maplewood, N. J.*  
*Westfield, N. J.*  
*New York, N. Y.*  
*Fort Madison, Iowa*  
*Pelham, N. Y.*  
*Larchmont, N. Y.*  
*Winnetka, Ill.*  
*Milton, Mass.*  
*Rochester, N. Y.*  
*Shaker Heights, Ohio*  
*Rochester, N. Y.*

Stringer, Edward Charles  
 Symon, Benjamin Goodall, Jr.  
 Taft, Morgan Barnes  
 Tallman, Carter Bruce  
 Tamke, Alexander Rexer  
 Tannenbaum, Herbert Walter  
 Taylor, Thomas Hewitt, Jr.  
 Temple, Kimball Boone  
 Thompson, John Marcus  
 Thomson, Donald Owen  
 Tilley, Peter Merrill  
 Tinker, Wesley Rayner, III  
 Todd, George Bennett  
 Tooman, Arthur Ronald, Jr.  
 Townley, Raymond David  
 Towvim, Harvey Leon  
 Trout, Charles Hathaway  
 Trowbridge, Theodore Daboll  
 Tuller, Stuart Sidney, Jr.  
 Turgeon, Charles Frederic  
 Twombly, Robert Gray  
 Tyson, Charles Wesley, Jr.  
 Underhill, John Harlan  
 Vernon, James Kenneth  
 Vestner, Eliot Noble, Jr.  
 Vickery, William McCall  
 Vitzthum, Richard Carleton  
 Wadman, John Calvert  
 Walling, Alfred Michael  
 Walsh, Peter Newton  
 Walton, Robert John  
 Ward, Robert Appleby Alexander  
 Ware, Robert Gorton  
 Wasserstrom, Richard Alan  
 Watson, Bruce Campbell  
 Wayland-Smith, Francis Giles  
 Webster, Charles McIntyre  
 Webster, John Crosby Brown  
 Weinstein, Leslie Donald  
 Weissman, Harold Arthur  
 Wells, Charles Arthur, Jr.  
 Wendoloski, Carl Richard  
 Wilan, Richard Anthony

*St. Paul, Minn.*  
*Bronxville, N. Y.*  
*Shaker Heights, Ohio*  
*Winchester, Mass.*  
*New Orleans, La.*  
*Atlantic City, N. J.*  
*Cleveland Heights, Ohio*  
*Hamden, Conn.*  
*London, Ontario, Canada*  
*Westfield, N. J.*  
*Storrs, Conn.*  
*Wheeling, W. Va.*  
*Evanston, Ill.*  
*Racine, Wis.*  
*Merion, Pa.*  
*Newton, Mass.*  
*Oneida, N. Y.*  
*Stamford, Conn.*  
*Stockbridge, Mass.*  
*Amherst, Mass.*  
*New York, N. Y.*  
*Summit, N. J.*  
*New Britain, Conn.*  
*Medina, N. Y.*  
*Bronxville, N. Y.*  
*Ridgewood, N. J.*  
*San Diego, Calif.*  
*Auburndale, Mass.*  
*Millburn, N. J.*  
*St. Louis, Mo.*  
*Weston, Mass.*  
*Kent, Conn.*  
*Lewiston, Idaho*  
*Scarsdale, N. Y.*  
*Bryn Mawr, Pa.*  
*Oneida, N. Y.*  
*Minneapolis, Minn.*  
*Bedford Hills, N. Y.*  
*Middletown, N. Y.*  
*New York, N. Y.*  
*Newtown, Pa.*  
*Hatfield, Mass.*  
*Westport, Conn.*

Wilber, John Franklin  
 Wood, Robert Bradley  
 Wray, Michael Buckley  
 Yale, Stephen Lake  
 Yohn, Michael Van Breda  
 Young, Donald Chandler, Jr.  
 Yu, Kwang  
 Ziegenfus, William David  
 Zigler, Paul

*Briarcliff Manor, N. Y.*  
*East Hartford, Conn.*  
*New York, N. Y.*  
*Winchester, Mass.*  
*South Norwalk, Conn.*  
*Waupaca, Wis.*  
*Seoul, Korea*  
*Swarthmore, Pa.*  
*Wellesley, Mass.*

### Freshman Class

Abodecely, Michael Nassif, Jr.  
 Ackerman, Paul  
 Adams, Keith Wilcox  
 Alcaide, Theodore Otto  
 Allen, James Paul  
 Alsup, William Myer  
 Andrews, Warren John  
 Ansbacher, Benjamin R.  
 Armstrong, Robert Avery  
 Arthur, Henry Bradford, Jr.  
 Atwood, James Foster  
 Baddock, Sheldon S.  
 Bassett, Earle Ross  
 Bennett, Joseph Harold  
 Bennett, Peter Stevens  
 Bentley, Thomas Pierce, Jr.  
 Berman, Stanley Marvin  
 Biggert, Rody Patterson, Jr.  
 Bischof, John Edward George  
 Bissell, James Russell, III  
 Bliss, Charles Michael  
 Bloom, Barry Robert  
 Bohanon, Michael Leo  
 Bonnett, Howard Thompson, Jr.  
 Bowers, Ralph Henin  
 Bragdon, Dudley Acton, III  
 Bragdon, Peter Wilkinson  
 Broughton, Richard Glover  
 Brown, Charles Henry, Jr.  
 Brown, Preston Charles  
 Brown, Ridley James  
 Brown, Wesley Miller

*Worcester, Mass.*  
*Brooklyn, N. Y.*  
*Omaha, Nebr.*  
*Newton, Mass.*  
*Rumford, R. I.*  
*Cody, Wyo.*  
*Queens Village, N. Y.*  
*Burlington, Vt.*  
*Springfield, Mass.*  
*Hinsdale, Ill.*  
*Minneapolis, Minn.*  
*Baltimore, Md.*  
*West Englewood, N. J.*  
*Bayonne, N. J.*  
*Barrington, R. I.*  
*Hapeville, Ga.*  
*Louisville, Ky.*  
*Hinsdale, Ill.*  
*Rockville Centre, N. Y.*  
*Webster Groves, Mo.*  
*Lincoln, Mass.*  
*Philadelphia, Pa.*  
*St. Louis, Mo.*  
*Westfield, N. J.*  
*Springfield, Mass.*  
*Clayton, Mo.*  
*Exeter, N. H.*  
*Hingham, Mass.*  
*Lake Forest, Ill.*  
*Longmeadow, Mass.*  
*Amherst, Mass.*  
*Hutchinson, Kansas*

Bulakul, Vanchai	<i>Bangkok, Thailand</i>
Burnham, Richard Irving	<i>Cooks Falls, N. Y.</i>
Burton, Richard Irving	<i>Providence, R. I.</i>
Cantor, William Lee	<i>Jersey City, N. J.</i>
Carmel, Robert	<i>Lawrence, N. Y.</i>
Carpenter, John Paul	<i>St. Paul, Minn.</i>
Carr, Norman Stewert	<i>Hanover, N. H.</i>
Charlton, John Kipp	<i>Hastings, Nebr.</i>
Chase, Philip Redfield, Jr.	<i>Fayetteville, N. Y.</i>
Chisholm, Alan Laird	<i>Pleasantville, N. Y.</i>
Clark, Allen Minott	<i>Mamaroneck, N. Y.</i>
Cleveland, Paul David	<i>Kensington, Conn.</i>
Cole, Stanton Louis	<i>Canton, Ohio</i>
Condit, John Hillyer	<i>Montclair, N. J.</i>
Cowan, Dwight Billings	<i>South Shaftsbury, Vt.</i>
Crockett, Edward David, Jr.	<i>Washington, D. C.</i>
Danielson, Richard Renner	<i>Teaneck, N. J.</i>
Daus, Alan R.	<i>Shaker Heights, Ohio</i>
Davenport, John Leverett	<i>Riverside, Conn.</i>
Davidson, Frank Forest, Jr.	<i>Wellesley Hills, Mass.</i>
Davis, Charles Somers, III	<i>Philadelphia, Pa.</i>
Davis, John Paschall, Jr.	<i>Nashville, Tenn.</i>
Deane, Frederick Robinson McReynolds	<i>East Grand Rapids, Mich.</i>
Deaner, Theodore Emil, Jr.	<i>Marine-on-St. Croix, Minn.</i>
DeCamp, Wilson Hamilton, II	<i>Chatham, N. J.</i>
deLemos, Robert A.	<i>Mount Vernon, N. Y.</i>
Derby, Joseph Patrick, Jr.	<i>Springfield, Mass.</i>
Diggs, Walter Edward, Jr.	<i>St. Louis, Mo.</i>
Dinces, Stephen Leonard	<i>Cedarhurst, N. Y.</i>
Dominick, Anthony	<i>West Hartford, Conn.</i>
Dorr, Glenn Bert, Jr.	<i>Madison, Conn.</i>
Eagles, Edward Prentice, II	<i>Washington, D. C.</i>
Eastman, Lucius Root, V	<i>San Antonio, Texas</i>
Eccles, Robert Stuart	<i>Owatonna, Minn.</i>
Edwards, Dick Neil	<i>Pardeeville, Wis.</i>
Eichenfield, Samuel L.	<i>East Rockaway, N. Y.</i>
Epstein, Joshua Philip	<i>Newton Centre, Mass.</i>
Evers, Donald White, Jr.	<i>Glenbrook, Conn.</i>
Faessler, John Jacob, Jr.	<i>Chicago, Ill.</i>
Fauver, Worth Alfred, Jr.	<i>Elyria, Ohio</i>
Feinberg, Barry Jay	<i>New York, N. Y.</i>
Feingold, Martin Lawrence	<i>Brooklyn, N. Y.</i>
Feldman, Daniel Edward	<i>Dallas, Texas</i>

Fernald, Peter Sutcliffe  
 Fitchen, Allen Nelson  
 Follett, Alan Lee  
 Fontana, Alan Fred  
 Ford, David Walter  
 Franck, Richard Wolfgang  
 French, James Benton, III  
 Gardiner, Peter  
 Gaunt, Abbot Stott  
 Gideonse, Hendrik David  
 Goddard, Alpheus John, III  
 Gold, Martin Roth  
 Goldstein, Laurence Meyers  
 Gorman, Thomas Carey  
 Greaves, Edward Stanley  
 Greenman, Frederic Edward  
 Groff, Gordon Baker  
 Gross, William B. Martin  
 Hand, Quentin Roosevelt, Jr.  
 Hannemann, William Charlton  
 Harbach, Lee Brett  
 Harper, Emery Walter  
 Hart, Henry Clay, III  
 Haught, Alan Frederic  
 Hayden, John Roderick  
 Hecht, Harvey Leon  
 Helmreich, Jonathan Ernst  
 Hewel, William Philip  
 Hicks, David Milton  
 Higinbotham, Arthur Elfring  
 Hild, Allan S.  
 Hodge, Archibald Talbot  
 Hoffman, Everett Mansfield, Jr.  
 Hooker, Culver Arthur  
 Hopkins, John Bradford  
 Horton, Christopher Noble  
 Hostetter, Amos Barr, Jr.  
 Howe, William Farwell  
 Huber, David Goss  
 Jackson, William Morris  
 James, David Bushrod, III  
 Jenkins, Peter Pineo, Jr.  
 Jewett, William Hugh

*Longmeadow, Mass.*  
*Hamilton, N. Y.*  
*San Mateo, Calif.*  
*Quincy, Mass.*  
*Chatham, N. J.*  
*Springfield, Mass.*  
*Whitesboro, N. Y.*  
*Forest Hills, N. Y.*  
*Methuen, Mass.*  
*Great Neck, N. Y.*  
*Sterling, Ill.*  
*New York, N. Y.*  
*New York, N. Y.*  
*Swampscott, Mass.*  
*Sayville, N. Y.*  
*Chestnut Hill, Mass.*  
*Mount Vernon, N. Y.*  
*Hinsdale, Ill.*  
*Brooklyn, N. Y.*  
*Denver, Colo.*  
*Syracuse, N. Y.*  
*Branchville, N. J.*  
*Providence, R. I.*  
*Bethesda, Md.*  
*Montclair, N. J.*  
*Belle Harbor, N. Y.*  
*Brunswick, Maine*  
*Richmond, N. H.*  
*Worcester, Mass.*  
*Pittsburgh, Pa.*  
*Baldwin, N. Y.*  
*Honeoye Falls, N. Y.*  
*Gladwyne, Pa.*  
*Waupun, Wis.*  
*Brattleboro, Vt.*  
*Saddle River, N. J.*  
*Short Hills, N. J.*  
*Cincinnati, Ohio*  
*Locust, N. J.*  
*Hewlett, N. Y.*  
*Philadelphia, Pa.*  
*West Barnstable, Mass.*  
*Springfield, N. J.*

Johnson, Donald Fitch	<i>Duluth, Minn.</i>
Karet, James Michael	<i>Kenmore, N. Y.</i>
Keith, George Eldon, Jr.	<i>Brockton, Mass.</i>
Kelly, George Phillips	<i>Providence, R. I.</i>
Kern, Thomas Noel	<i>Cleveland Heights, Ohio</i>
Kleeb, Robert Henry, Jr.	<i>Wayne, Pa.</i>
Koff, David Edward	<i>Kingston, Pa.</i>
Konigsberg, Robert Alan	<i>New York, N. Y.</i>
Koretz, Allan Robert	<i>Highland Park, Ill.</i>
Krass, Alfred Charles	<i>Lynbrook, N. Y.</i>
Krumsiek, James Bernard	<i>Springfield, Mass.</i>
Krupman, William Allan	<i>University Heights, Ohio</i>
Kunz, Peter Leigh	<i>Park Ridge, Ill.</i>
Lagomarcino, John Paul, Jr.	<i>Burlington, Iowa</i>
Lanphere, Eric Daniel	<i>Cory, Pa.</i>
Lansinger, Lawrence Milfred	<i>Akron, Ohio</i>
Lear, George Andrew, Jr.	<i>Philadelphia, Pa.</i>
Lees, Charles William	<i>Chatham, Mass.</i>
Leftwich, Robert Francis, Jr.	<i>Bronxville, N. Y.</i>
Low, Kenneth Brooks, Jr.	<i>New Rochelle, N. Y.</i>
Luria, Edward David	<i>New York, N. Y.</i>
Lutz, Charles Albrecht	<i>West Hempstead, N. Y.</i>
Lyne, Stephen Richard	<i>Rutland, Vt.</i>
McDonald, Joseph Francis	<i>Pelham, N. Y.</i>
McLamb, Peyton Fentrell, Jr.	<i>Ridgewood, N. J.</i>
McLean, John Marshall	<i>Ayer, Mass.</i>
McMurray, Walter Joseph	<i>Greenfield, Mass.</i>
Madden, Peter Neville	<i>St. Paul, Minn.</i>
Magid, James Irwin	<i>Nashville, Tenn.</i>
Maher, Colin Michelson	<i>New York, N. Y.</i>
Maling, Stephen Gessner	<i>Cape Elizabeth, Maine</i>
Maud, George Dwight	<i>Blue Point, N. Y.</i>
Mayer, Roger Gottfried	<i>Madison, Wis.</i>
Mayhew, David Raymond	<i>Dayville, Conn.</i>
Mead, Robert Wiley	<i>Columbus, Nebr.</i>
Megargee, Edwin Inglee	<i>Scottsdale, Ariz.</i>
Merritt, Richard Evalon	<i>Plattsburg, N. Y.</i>
Miller, John McCroskery, Jr.	<i>Newburgh, N. Y.</i>
Monroe, Frederick Fales	<i>New Rochelle, N. Y.</i>
Morgan, Jasper William, Jr.	<i>Windsor, Conn.</i>
Most, Albert Stephen	<i>Mount Vernon, N. Y.</i>
Nelson, Robert Browne	<i>Columbus, Ohio</i>
Nelson, Robert Ende, Jr.	<i>Maplewood, Mo.</i>

Niehuss, John Marvin	<i>Ann Arbor, Mich.</i>
Noer, Richard Juul	<i>Louisville, Ky.</i>
Norcott, Richard Bullard, Jr.	<i>Stamford, Vt.</i>
Northrop, James Watson	<i>Rochester, N. Y.</i>
Norton, John Bradley	<i>Longmeadow, Mass.</i>
Ohl, Ronald Edward	<i>Warren, Ohio</i>
Page, Harry Oliver, Jr.	<i>Albany, N. Y.</i>
Papa, John Smith, Jr.	<i>Bristol, Conn.</i>
Parker, Peter Donald MacDougal	<i>Shrewsbury, Mass.</i>
Parker, Robert Allan Ridley	<i>Shrewsbury, Mass.</i>
Patterson, Charles Wilson	<i>New Britain, Conn.</i>
Pendleton, John Braman	<i>Shaker Heights, Ohio</i>
Peterson, Nils Peter	<i>Wayzata, Minn.</i>
Porter, Roger Jeffery	<i>Elizabeth, N. J.</i>
Powell, Arthur George	<i>Staten Island, N. Y.</i>
Price, Don Cravens	<i>Scarsdale, N. Y.</i>
Rapson, Richard Lawrence	<i>New York, N. Y.</i>
Reopell, William Raymond	<i>Williamstown, Mass.</i>
Richman, Harold Samuel	<i>St. Petersburg, Fla.</i>
Richman, Marc William	<i>Brookline, Mass.</i>
Riendeau, Richard Rene	<i>Ware, Mass.</i>
Robinson, Warrick Charles	<i>Oyster Bay, N. Y.</i>
Rounds, Thomas Emerson, III	<i>Danbury, Conn.</i>
Routh, Donald McMillan	<i>Sandusky, Ohio</i>
Rugh, Peter Newton	<i>Scotia, N. Y.</i>
Ryan, William James	<i>Summit, N. J.</i>
Sabin, James Norbeck	<i>Washington, D. C.</i>
Saltman, Michael Alan	<i>Mount Vernon, N. Y.</i>
Sams, John Robert	<i>Denver, Colo.</i>
Schaenen, Michael	<i>Dallas, Texas</i>
Schemm, Christopher Merrifield	<i>Great Falls, Mont.</i>
Scherby, Michael Lawrence	<i>Jersey City, N. J.</i>
Schueller, Thomas George	<i>New Rochelle, N. Y.</i>
Schwartz, Stephen L.	<i>Flushing, N. Y.</i>
Scott, David Allan	<i>Warwick, R. I.</i>
Scutt, Harold Lockwood, Jr.	<i>White Plains, N. Y.</i>
Sheinin, James Charles	<i>Chicago, Ill.</i>
Sherman, Ronald Earl	<i>Englewood, N. J.</i>
Simon, Michael Arthur	<i>Maplewood, N. J.</i>
Slade, James William	<i>White Bear Lake, Minn.</i>
Smith, Alfred Nicol	<i>Duluth, Minn.</i>
Smith, Charles Bryan	<i>Weston, Mass.</i>
Smith, Winthrop Ware	<i>Fair Lawn, N. J.</i>

Snyder, Homer Evan	<i>Washington, D. C.</i>
Sonstroem, David Arthur	<i>Litchfield, Conn.</i>
Spero, Carl Michael	<i>New York, N. Y.</i>
Stafford, Noel Dennis, Jr.	<i>Lambertville, N. J.</i>
Stauber, John Newell	<i>Webster Groves, Mo.</i>
Stauber, Ralph Otto, Jr.	<i>Webster Groves, Mo.</i>
Stephens, David Rockwell	<i>South Woodstock, Vt.</i>
Stowe, David Henry, Jr.	<i>Chevy Chase, Md.</i>
Strauss, Peter Franc	<i>Newtonville, Mass.</i>
Suzuki, David Takayoshi	<i>London, Ontario, Canada</i>
Sweeney, John Patrick, Jr.	<i>West Roxbury, Mass.</i>
Swope, Stephen Park	<i>Croton-on-Hudson, N. Y.</i>
Taylor, Marc Jules	<i>Mount Vernon, N. Y.</i>
Terino, Edward Owen	<i>East Greenbush, N. Y.</i>
Thaler, Seth Ulric	<i>Riverdale, N. Y.</i>
Thompson, Robert James	<i>Bethlehem, Pa.</i>
Tibbetts, Hutchin David	<i>Saratoga Springs, N. Y.</i>
Tilton, David Ward	<i>Chagrin Falls, Ohio</i>
Truesdell, Lynn George, III	<i>Minneapolis, Minn.</i>
Utsch, Hans Peter	<i>Scarsdale, N. Y.</i>
Utz, Leonard Meservey	<i>Port Washington, N. Y.</i>
Uyeda, Gordon Kanji	<i>Honolulu, T. H.</i>
Van Arnam, George Anibal, Jr.	<i>Northville, N. Y.</i>
Vance, John Warren, III	<i>Evanston, Ill.</i>
Van Derzee, Sanford Vint, Jr.	<i>Selkirk, N. Y.</i>
Van Dusen, Peter Cross	<i>Minneapolis, Minn.</i>
Vartes, George John	<i>Lesbos, Greece</i>
Vester, Norman Rohde, Jr.	<i>Springfield, Mass.</i>
Volmer, Harold Theodore	<i>Manhasset, L. I., N. Y.</i>
Waite, Stephen Holden	<i>Rochester, N. Y.</i>
Walker, Robert David	<i>Wellesley, Mass.</i>
Walker, Warren Fredrich	<i>Port Jefferson, N. Y.</i>
Warner, Albert Lyman, Jr.	<i>Washington, D. C.</i>
Warren, Bruce Alfred	<i>Arlington, Mass.</i>
Warren, William Albert	<i>Leipsic, Ohio</i>
Webb, Jean Francis, IV	<i>Ridgefield, Conn.</i>
Wenders, John Thomas, Jr.	<i>White Mills, Pa.</i>
West, Robert Edward	<i>Manchester Center, Vt.</i>
White, Asher Abbott, Jr.	<i>Minneapolis, Minn.</i>
Wieland, John George Fox	<i>Kenilworth, Ill.</i>
Wiggin, John Tracy	<i>Attleboro, Mass.</i>
Williams, Richard James	<i>Warren, Ohio</i>
Willis, George Pleasant, III	<i>El Campo, Texas</i>

Winram, Samuel Curtis	<i>Hingham, Mass.</i>
Winter, Norbert Forester, Jr.	<i>St. Paul, Minn.</i>
Wolf, Howard Robert	<i>New York, N. Y.</i>
Wolff, Morris Hirsch	<i>Elkins Park, Pa.</i>
Wolman, Howard Bennett	<i>Baltimore, Md.</i>
Woodruff, David Alfred	<i>Springfield, Pa.</i>
Zinner, John	<i>Great Neck, N. Y.</i>

### Students Not Enrolled as Candidates for a Degree

Casey, Richard Patrick	<i>New Salem, Mass.</i>
Collier, Paul Earl	<i>Dayton, Ohio</i>
Ebeling, Fritz Georg Wilhelm	<i>Bremen, Germany</i>
Magneron, Jean-Luc	<i>Laon, Aisne, France</i>
Quintana, César Augusto	<i>Buenos Aires, Argentina</i>
Robart, Bernard	<i>Maisnil les Ruitz, France</i>
Roos, Daniel H. R.	<i>Arpajon, France</i>
Sage, William Morris	<i>Amherst, Mass.</i>
Weisz, Claus-Erich	<i>Hamburg-Volksdorf, Germany</i>

### SUMMARY OF ENROLLMENT

Fellows . . . . .	30
Graduate Students . . . . .	11
Seniors . . . . .	289
Juniors . . . . .	248
Sophomores . . . . .	265
Freshmen . . . . .	254
Students Not Enrolled as Candidates for a Degree . . . . .	9
Total . . . . .	1106

### CLASSIFICATION OF UNDERGRADUATES BY RESIDENCE

New York . . . . .	296	District of Columbia . . . . .	16
Massachusetts . . . . .	170	Michigan . . . . .	16
New Jersey . . . . .	98	Maryland . . . . .	15
Pennsylvania . . . . .	76	California . . . . .	13
Connecticut . . . . .	75	New Hampshire . . . . .	12
Ohio . . . . .	54	Rhode Island . . . . .	12
Illinois . . . . .	44	Vermont . . . . .	12
Minnesota . . . . .	23	Maine . . . . .	10
Missouri . . . . .	22	Iowa . . . . .	8

# ENROLLMENT

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Wisconsin . . . . .	8	Utah . . . . .	1
Florida . . . . .	7	West Virginia . . . . .	1
Texas . . . . .	6	Wyoming . . . . .	1
Indiana . . . . .	5	Canada . . . . .	4
Kentucky . . . . .	4	England . . . . .	2
Arizona . . . . .	3	France . . . . .	2
Colorado . . . . .	3	Hawaii . . . . .	2
Nebraska . . . . .	3	Japan . . . . .	2
Tennessee . . . . .	3	Korea . . . . .	2
Georgia . . . . .	2	Belgium . . . . .	1
Idaho . . . . .	2	Germany . . . . .	1
Kansas . . . . .	2	Greece . . . . .	1
Louisiana . . . . .	2	Mexico . . . . .	1
Oregon . . . . .	2	Puerto Rico . . . . .	1
Washington . . . . .	2	Thailand . . . . .	1
Alabama . . . . .	1	Turkey . . . . .	1
Delaware . . . . .	1	Venezuela . . . . .	1
Montana . . . . .	1		
Nevada . . . . .	1	Total . . . . .	1056
New Mexico . . . . .	1		



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V

*The Alumni Associations*

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# Alumni Associations

## THE SOCIETY OF THE ALUMNI

(Annual Meeting in Commencement Week)

<i>Honorary President:</i>	Walter C. Seeley, '95
<i>President:</i>	Claude M. Fuess, '05
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<i>Committee to Nominate Alumni Trustees:</i>	Clarence Francis, '10, <i>Chairman</i> James Kellum Smith, '15 Charles D. Kyle, '25 Frederick S. Allis, Jr., '35 Arnold T. Olena, '40

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<i>Secretary:</i>	J. ALFRED GUEST, '33
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1915	WILLIAM WHITING	1947	THOMAS J. O'CONNOR, JR.
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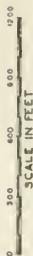
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# AMHERST COLLEGE

SEPTEMBER 1933



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